TECHNOLOGY DEPARTMENT

# COMMINISTRAIL

FRIDAY, FEBRUARY 13, 1959 ONE SHILLING



#### MORRIS WINS ON PRICE



and now the 5-Tonner with a NEW CAB

you're loads better off with

MORRIS

commercial vehicles

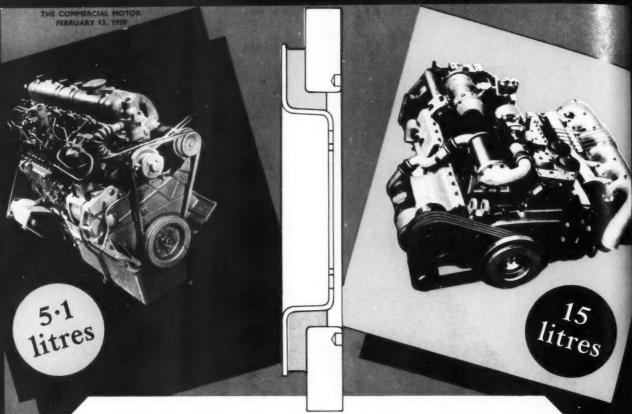
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Twin-blade, self-parking electric wipers.
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Driver's seat adjustable vertically, also
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accessibly beneath fascia. And many
other safety/comfort features!

Price: £969 plus £170.15.7. purchase tax (Diesel: £1,213 plus £231.10.3. purchase tax) also available with normal control, petrol or diesel engines.

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Overseas Business: Nuffield Exports Ltd. Oxford and 41-46 Piccadilly, W.1

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Experience, essential in torsional vibration damping, ensures the success of Metalastik T.V. Dampers. For more than 20 years Metalastik has designed and manufactured dampers for world-famous engines.

Accurately predictable and sensitive to vibrations of even the smallest amplitude, these Dampers permit a greater range of r.p.m. without detriment to the engine.

Specially developed high-damping, heat-resisting rubbers are employed and behind every design is Metalastik's skill in vibration analysis combined with exhaustive testing and quality control.

For diesel and petrol engines of widely varying capacities.

The engines illustrated—two of the many diesels to which Metalastik Dampers are fitted—are, left: B.M.C. 5-1 litre and right: Saurer O.M. 15 litre railcar engine.

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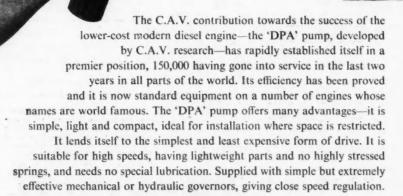


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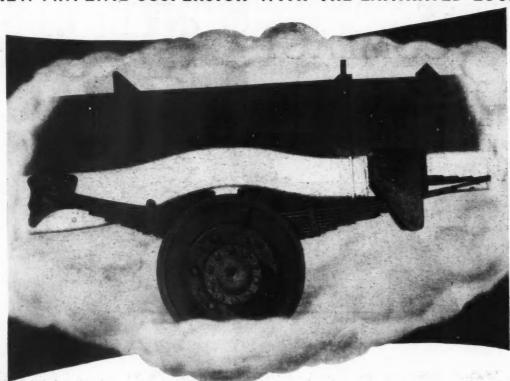
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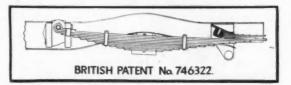
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It overcomes the harsh riding conditions experienced with unladen or lightly laden vehicles. cushioning the shocks which increase tyre wear and which cause damage both to the bodywork and fragile loads.

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The system employs a flexible cantilever spring, which works in conjunction with the longer main spring. In the unladen condition the cips only of these springs are in contact; but as the load is increased, the cantilever and main springs roll together. Thus, the effective length of the springs is shortened and the suspension is progressively stiffened until finally the full load is carried

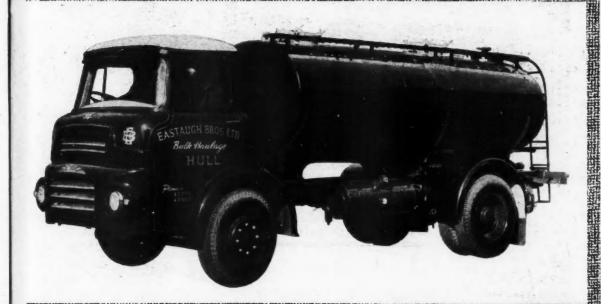


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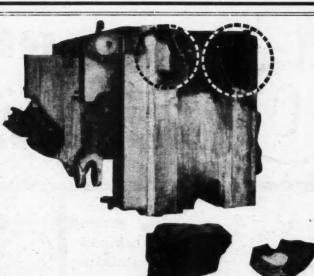
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Two thousand gallons of specialist Transformer Oil is carried in this sturdy little tanker shown above. It is made and mounted by The Steel Barrel Co. Ltd., on to a Thornycroft chassis. Below, carrying 1,600 gallons of lubricating oil, is another tailored tanker of quality on an Albion chassis. Fleets of these reliable little vehicles aperate around the country to supply garages everywhere. The fashion of oil carrying changes considerably with the years and small containers of oil are being replaced continuously by vending units which are bulk filled by such vehicles as these. Particular conditions require particular tanks and with half a century of experience in tankbuilding The Steel Barrel Co. Ltd., are highly qualified to design and build, in addition to the tank itself, all the most intricate draw-off apparatus that may be required for any liquid. Phone us at Uxbridge 8535.

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# **Achievement Crow About**



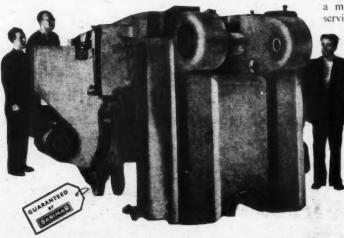
HERE is a recent repair of which Barimar are mighty proud. It was a welding job in which every moment counted, for many thousands of pounds of productive work for the British Motor Industry was at stake.

THE PICTURES tell a vivid story of the repair of the crown of a giant power press that stamps out tens of thousands of body panels and components for the motor industry in Great Britain every year. This press crown weighed twenty tons and the damage that had to be repaired was grievous. The top picture shows two of the four heavy toggle-shaft lugs that were broken right away. The repair of each lug was a poser in itself, the kind of poser that Barimar experts delight to tackle and solve. There were also serious cracks and fractures in the main body of the casting and twenty-five feet of cracks and fractures had to be welded in metal up to 7 ins, thick. Throughout, the job called for superlative welding—Barimar Scientific Welding that stands up to tremendous strain.

> THE OTHER PICTURE, on the left, shows the completed The lugs were lined up so accurately before welding

that subsequent machining was reduced to a minimum. The crown was ready for service again within record time, so losses

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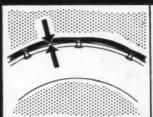
Girling replacement shoes are inspected to the standard of original equipment



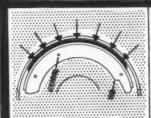
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"That job's a bit hard on the wagon, isn't it?"

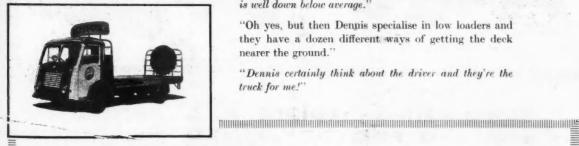
"This HERON comes through all right; it's designed for the job. A custom built truck you know, made from the right stuff."

"My PAX II's just turning a hundred thousand and feels good for another.'

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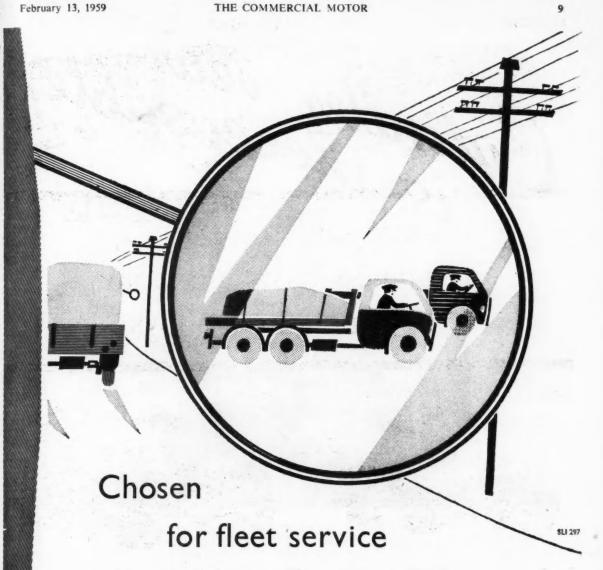


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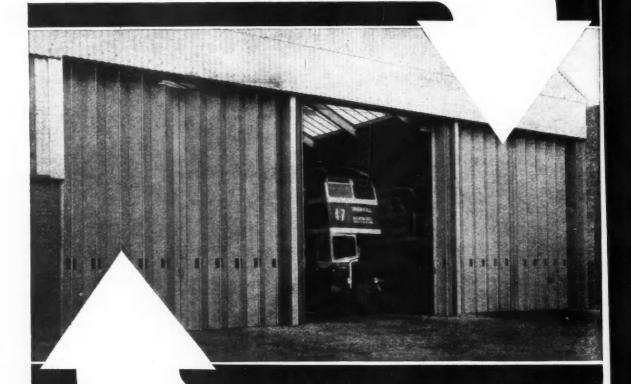
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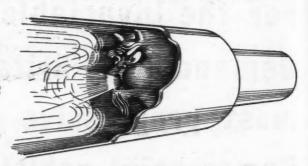
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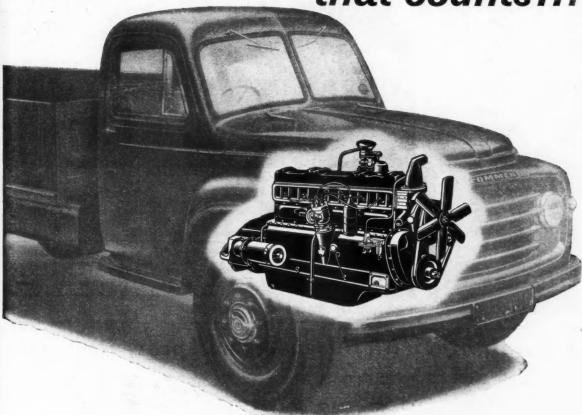
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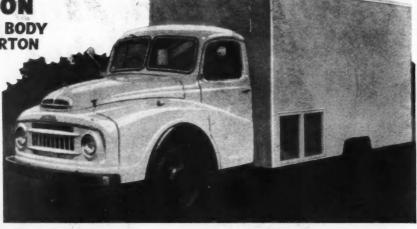
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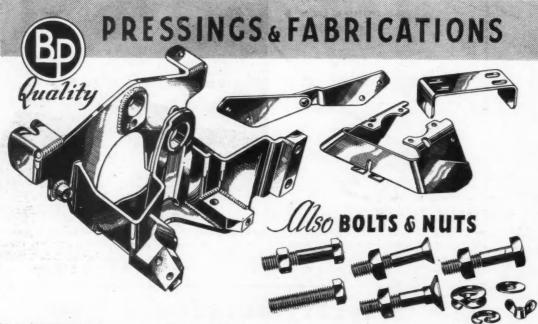




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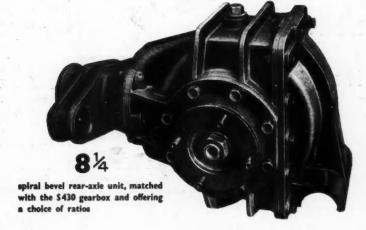
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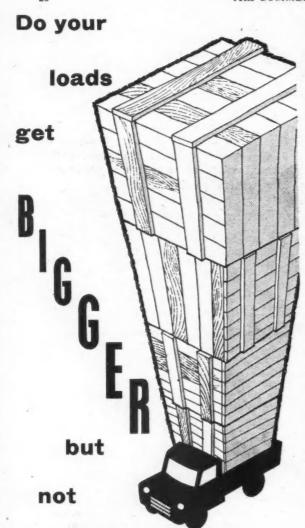


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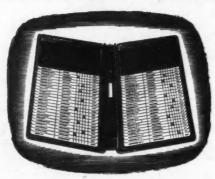
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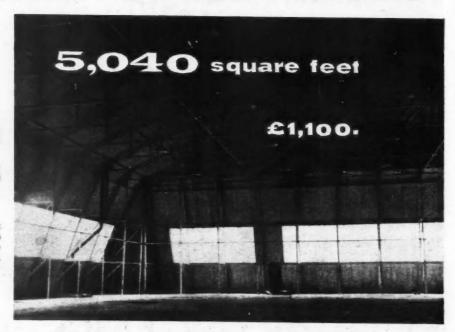
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# To Wait—Or Not?

Points About "Renewals" to

be Considered by Holders of

Several Special A Licences

HAULIERS who hold more than one special A licence expiring on different dates this year and later, have to decide whether to make one

application for "renewal" and combine all the vehicles on one licence, or whether to apply separately as each licence reaches the end of its currency. The Licensing Authorities would probably encourage a combined application, because a number of separate "renewals" would greatly increase the volume of their work, which is already onerous.

Each haulier will, however, have to make his own decision after considering the value which he attaches to the right of assignment during the unexpired period of a licence. That entitlement would, of course, disappear once he had made an application covering all his special A licences.

If an operator is unlikely to wish to dispose of any of his vehicles, which would otherwise carry the right of assignment for a little longer, any risk attaching to a joint application may not be great so long as all the vehicles are reasonably employed and will continue so to be. One application would save time and trouble and dispose of the matter.

On the other hand, it is perfectly legitimate to wait for "renewal" until each licence expires. In this connection, it is necessary to bear in mind the degree of proof which the Licensing Authorities will require on the expiry of a special A licence.

#### **Proof of Need**

They will call for a year's statistics showing the tonnage carried, mileage run and receipts, together with a description of the traffics handled and districts or places served as a normal practice. These particulars must cover the year immediately preceding the expiry date. The availability or otherwise of convincing proof of the need for the "renewal" of a special A licence may well determine whether a haulier makes a combined application or waits, in the hope of improved trading, for the expiry of each licence.

If, as is usual, vehicles on special A licences are worked as a fleet carrying common traffics to common destinations, the normal user will be all-embracing, but what of applications made at intervals for individual licences? Hauliers will naturally wish to ensure that

whichever course they select, the result in the long run will be the same. If they decide to make separate applications they will be well advised on the first

"renewal" to specify a normal user appropriate to the fleet as a whole, and not to the vehicles immediately concerned. Otherwise, complications will undoubtedly arise later.

Hauliers who have already had to apply for the substitution of ordinary A for special A licences, because they wished to increase the weight of a vehicle, will know something of the procedure. They should, however, remember that normal user should not be altered with successive applications for the sake of doing so.

Even if amendments pass unchallenged, it is against a haulier's interests to have a variety of terms of normal user attached to his operations. The multiplication of normal users increases the dangers inherent in Section 9 (4) of the Transport Act, 1953, which empowers a Licensing Authority to suspend or revoke a licence because the applicant made a false statement or has not fulfilled a statement of intention.

#### Normal-user Trap

Care must be taken by the operator holding an ordinary A licence, who seeks to vary it by adding to it a special-A-licence vehicle at the same base or in the same traffic area. In one case, a haulier applied for such a variation of a licence with a normal user, "mainly within 25 miles of base," although the special-A vehicle which he sought to transfer to it was engaged on long-distance work. The application was granted, unopposed, and, but for the vigilance of a road-rail negotiating committee, the operator might have made further similar applications and caused himself great difficulty.

Hauliers seeking variations or the "renewal" of special A licences should be prepared for objections from the railways and should, therefore, take sound legal advice. The importance of this warning is emphasized by a case reported in *The Commercial Motor* last week in which an operator sought to substitute a larger horsebox on an ordinary A licence for a lighter model which he ran under a special A licence. The special A licence originally covered a tipper, but the vehicle was exchanged more than three years ago for a horsebox.

The railways strongly opposed the replacement of

the old horsebox by a larger and more modern model, and claimed that the haulier had entered horse transport through the back door. They admitted he had done nothing unlawful, but argued that his method of entry was wrong in principle. This plea was demolished by the Yorkshire Deputy Licensing Authority, who declared that the special A licence had been acquired legally and the applicant was fulfilling a public need by operating a horsebox under it.

The 1953 Act places no restriction on the exchange or conversion of vehicles bought from British Road Services, provided that they are of the same or less

unladen weight. A special A licence may be refused only if the Licensing Authority considers that the vehicle concerned is proposed to be operated from a base from which it cannot conveniently serve the same area as it covered when in the hands of B.R.S.

Parliament clearly had no intention of preventing the buyer of a B.R.S. vehicle from changing the nature of the traffic carried, otherwise they would not have confined their attention to the area of operation. Nevertheless, the railways will use any means to harry an applicant and adequate representation in court is vital

# Front-wheel Drive for Motorways?

No vehicle maker would consider producing a standard goods chassis of the heavier type for long-distance work in this country which was below average with regard to the traction provided on steep gradients in wintry conditions. Although a minority of vehicles is purchased by users who operate throughout the year on substantially level roads, it is virtually inevitable that before a chassis is scrapped it will be required to haul full loads over hilly routes. Types of chassis that were not suitable for general haulage in any part of the country would, therefore, be unacceptable to the great majority of operators, including those whose traffic was restricted to areas with no severe gradients. In the latter case, however, the low re-sale value of the vehicle would be a deterrent.

Vehicles specifically developed for motorway operations will be designed to provide the optimum economic advantage from sustained high speeds over routes with minor gradients, and for multiple reasons they may be unsuitable for general traffic on other roads. These include the use of a larger engine and a transmission system matched to the characteristics of the motorways, as well as specialized auxiliaries.

Looking ahead, it is probable that such vehicles will form an individual category and will not be purchased in used condition for a different type of traffic. Reduced traction under critical gradient conditions would not, therefore, be regarded as a disadvantage.

When a vehicle is moving forward on a gradient, part of its weight is transferred to the rear axle, and this adds to the maximum traction potential of the back wheels. When the drive is transmitted to the front wheels the loss of traction on a steep gradient with a greasy surface results in wheel slip at a reduced torque compared with a conventional rear-wheel drive.

If this had not been an inherent disadvantage of front-wheel drive there is little doubt that it would have been developed for many types of goods vehicle as a means for increasing load-carrying facilities. It would give the vehicle designer the opportunity to build a self-contained unit comprising the engine, gearbox and steering gear, which could be used in conjunction with a wide variety of body types with the minimum complication, because it would eliminate driveshafts in the main structure of the vehicle.

The development of a front-wheel drive should be seriously considered by those makers who are planning to produce specialized motorway vehicles. It is pertinent that, although a tendency of the front wheels to slip on ice reduces traction, it is favourable to stability.

# **Passing Comments**

#### An American on British Advertising

IT is not often that references to advertisements are made in the editorial section of this journal, but on this occasion the mention is prompted by an article from Mr. Fred R. Messner, which appeared in a recent issue of the American journal, *Printers' Ink.* The author referred in glowing terms to an advertisement prepared on behalf of Wilmot Breeden, Ltd., by W. S. Crawford, Ltd., which has appeared in several British journals. It was headed "The Light Touch" and Messner says "to borrow a term from the hipsters, this automotive components ad. is a 'gas.'

"Feast your eyes on this copy: 'You push button, door opens. Hurry. Must. Slam therefore. Starter. Whoosh. Some getaway! Door shut. No rattle. Safe. Remember old car once? Brass knobs. All admire. But locks, doors! . . Sharp corner. Doors open. Aunt on road. Undignified. Doctor, Lawyer. Cut out of will. Unfortunate. Never again now. Wilmot Breeden makes locks. . . Last word. Ruthless testing. . . . " And so on concerning

B28

bumpers, windows, winders and some other components.

Messner continues, "It may not be the King's English, but I refuse to believe that anybody, once started on that copy, could stop without reading it all the way through. Methinks our British brothers have it all over us in advertising daring. I can recall no American business paper . . . which gave me the same madcap pleasure in reading, and yet conveyed such an unmistakable sales message." He adds many more compliments, but these are enough to show that he was pleased.

#### Mightier than the Pen

THE engineers of a well-known company manufacturing pens predict that they will soon be producing a self-propelled, electronically controlled draughting instrument that will automatically execute all kinds of geometric form without error. This will be achieved by setting the instrument's calibrated dials and buttons. The name to be given to this successor to pencil-pushers is Robo-draft.

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Employing Little-used Railways

Is it necessary to leave virtually unused railway tracks derelict or even turn them into roads at a heavy expense? This question is prompted by a reminder from a man who was formerly a prominent railway engineer in the Argentine. His company, in 1928, developed a system of running solid-rubber-tyred Thornycroft lorries on the rails, on which they were guided merely by the simple addition of steel plates mounted just outside the wheels. These plates could be fitted or removed in a matter of a few minutes and the steering locked or freed.

The railway concerned was active as regards running mainly goods trains, but the times of these were notified to the road transport department so that their vehicles could be removed from the rails on to the roads as required. Distances of 50 miles or more by rail were covered by the Thornycrofts, which then completed their deliveries by road, or to stations as was needed. Later, trailers operating on the same principle were added, and at least three could easily be hauled.

This seems to have been a remarkably simple method of combining the two functions and might well be applied even in these more modern times. The difficulties to be overcome were found to be very slight and the expense comparatively negligible. It is, of course, not the sort

of scheme that could be applied to a busy railway track.

About that time certain manufacturers of motor vehicles built some rather complicated dual-purpose vehicles equipped with flanged wheels, the normal wheels being dropped for road work, or the action reversed and the flanged wheels lowered for rail use. The French also used a considerable number of railcars with special Michelin pneumatic tyres which were the forerunners of the present type with steel carcases, but these were not intended for road use at any time, so that there would appear to be no special objection to using pneumatics in place of the solids employed on the vehicles running in the Argentine.

#### What's In a Name?

PROGRESS in production depends not only upon ability to understand problems and their solutions, but also on intelligent communication of that information to others. Understanding is frequently limited by careless or loose terminology. This can be more serious than the misunderstandings resulting from the problems as between engineers and management personnel. When the same name means the same thing to everyone, communications will automatically become simplified. Then, many of the engineers' problems will vanish.

## One Hears-

Of dogs worrying sheep, but seldom of sheep worrying a Licensing Authority.

That "improvements in nozzles" do not necessarily indicate plastic surgery.

That American Trucking Associations, Inc., recently celebrated their Silver Jubilee.

The remark, perhaps cryptic to some, that our artist, "Mec," is obviously a dog fancier.

That Russia is planning a walking excavator with a 65-cu.-yd. bucket, and 137-yd. boom.

Sighs of relief that the size of relief may be reduced as trade improves with the continued removal of restrictions.

That turbochargers may be the answer to many an engine-power problem.

That a fully adjustable driver is even more important than a similar type of seat.

From a reader, that if a pig-traffic appeal referred to road hogs it would be in vain.

That rubber wings will not melt in the sun, as did the wax ones of a mythological character.

That by 1965 the Gorky Motor Works are to increase output by 50 per cent., and to do this they are to install 136 new production lines, 136 miles of conveyor and 1,400 machine tools.

That the U.S.A. railways have persuaded Congress to arrange a railway-loan guarantee system—presumably using public money.

That for many years they had been alleging that road transport was being subsidized.

That Catylator plugs for batteries contain palladium pellets which condense the gases usually lost when charging, thus saving much topping up.

That the "U.S. Industrial Digest" is being published by Internal Communications, Inc., which, being abbreviated to ICI, may cause some complications.



"What's this I hear about you winning a football pool, Bert?"

# Hauliers Sceptical About Exception to Protection for Losing Services 10-hour Rail Service

BY A SPECIAL CORRESPONDENT

ONDON hauliers engaged on the London-Glasgow trunk route view with some scepticism the announcement that, from March 16, British Railways London Midland Region are to introduce 75 m.p.h. diesel-electric locomotives hauling 200 tons of freight on the London-Glasgow service. It is stated that the journey will take 10 hours in each direction and 4-ton containers will be carried at £16 and £18, according to their volume.

Hauliers doubt whether a 10-hour journey time will have any significant effect on the time of travel from door to door, and point out that a customer who hires a 4-ton container and is unable to load it to capacity is paying

Road haulage rates from the London area to consignees in Glasgow vary, according to the nature of the load, from £3 15s. to £5 per ton. J. and H. Transport Services (Peckham), Ltd., for example, quote the lower rate. In their case, door-

to-door delivery occupies 36-38 hours.

Road Services (Caledonian), Ltd., quote from £3 10s. to £5 per ton, the journey from the London depot to the Glasgow consignee taking some 20 hours. J. and A. Smith of Maddiston, Ltd., charge £4 10s. per ton and are two nights on the road. Atlas Express Co., Ltd., Rotherhithe, as parcels specialists, would welcome the 10-hour rail journey, giving the customer a much speedier service than exists at They believe, however, that not all railway depots are sufficiently well

equipped with cranes of adequate capacity to deal with heavier traffies.

Mr. R. E. L. Lawrence, divisional traffic manager, British Railways, giving details of the new service, said: "There has never been a surface freight movement so fast as this in this country. We are out to get all the traffic off the road we can.' The Condor ("container door-to-door") service will operate on five days a week.

## Special Low-loaders Not Needed?

THE proposed expenditure of £24,000 on new vehicles to undertake a 4,000ton pipe haul from Scotland to North Wales came in for strong criticism when McKelvie and Co., Ltd., Barrhead, resumed their application before Mr. W. F. Quin, Scottish Licensing Authority, last week (The Commercial Motor, January 23).

At an earlier hearing, the company had stated that in order to carry outsize tubes on the 280-mile-long journey, with a low bridge to face near the delivery end, specially designed articulated outfits were necessary. That hearing was adjourned so that a director of the company undertaking the pipe contract-Marshall and Anderson, Ltd., Motherwell-could attend to back up McKelvie's claims. The delay was also arranged to allow British Railways experts to be taken to Glasgow.

Last week's hearing was also adjourned, but not before evidence had been submitted. For Marshall and Anderson, Mr. J. Marshall, a director, said he did not know exactly where the low bridge was, although he knew there was one on the proposed route from Motherwell to

Blaenau Efestiniog.

He added that he had never contacted British Railways about their handling the traffic. The company had had previous disappointments with the railways' way of doing things when it came to working to a strict time schedule. There was really no objection to rail transport in theorybut it had never worked. If McKelvie's told him they could do a thing he usually found they could.

Mr. Marshall refused to state what rate he had been quoted by McKelvie's, but indicated that even if he had to pay much more for his transport he would prefer to have his traffic sent by road rather than by rail.

Railway evidence was given by Mr. William Griffiths, district commercial manager of the North Western Region, who spoke of excellent road facilities from the railhead. On behalf of B.R.S. (Pickfords), Ltd., Mr. W. Ingham, the north west area manager for heavy haulage, recalled that Pickfords had taken loads to the site in question without being hampered.

They had handled many loads similar to the ones McKelvie's were contemplating without specially designed vehicles, and he did not think the vehicles described by McKelvie's were necessary. This was backed up by Mr. Noel Wynn, of Wynn and Sons, Ltd., who said they had handled similar loads on existing vehicles, so he was sure special designs were not required.

He admitted that on one road into the area there was a low bridge, but stated that he could find a better route which would obviate this obstruction.

Mr. Quin adjourned the hearing until March 9.

#### NO LOADING BAN-YET

PROPOSALS for banning the loading and unloading of vehicles during specific hours in congested areas of Newcastle upon Tyne have been shelved for four months by the city council. Meanwhile, they are giving full support "Kerb Space is Precious to the campaign, organized by the Traders' Road Transport Association.

# for Losing Services

OPERATORS of unremunerative ser-O vices must generally be protected against abstraction by newcomers from their existing facilities and must be given preference in the provision of new services, says the Minister of Transport in an appeal decision announced on Monday. Moreover, they need not show that they cannot continue to run unremunerative services without further

Nevertheless, he has upheld an appeal by a small company and has ordered licences granted by the North Western Traffic Commissioners to three large operators, who run unremunerative ser-

vices, to be revoked.

F. Sykes and Sons, Ltd., appealed against the refusal of express services from Appleton and Broomedge to the Atomic Energy Authority Establishment at Risley, and the granting of a joint express service from Appleton to Risley to Lancashire United Transport, Ltd., North Western Road Car Co., Ltd., and Warrington Corporation, and an express service from Broomedge to Risley to L.U.T. and North Western.

The Minister was impressed by the preference of the A.E.A.E. for Sykes' service, by the joint operators' reluctance to provide the facilities, and the proposed use by Sykes of a certain bridge. Sykes' arguments were sufficient to outweigh the joint operators' claim to preference on the ground that they provided unremunera-tive services. The licences granted to

them are to be revoked.

LONDON BUS TRAFFIC

PASSENGERS Carried by London Transport's buses and coaches last year were 19.3 per cent. fewer than in 1957, and mileage dropped by 15.8 per cent. Trollevbus traffic declined by 20.7 per cent. and mileage by 17.2 per cent. Over the whole of London Transport, traffic fell by 16 per cent. and mileage by 11.5 per cent.

The British Transport Commission's Scottish and provincial bus undertakings recorded an increase of 0.5 per cent, in passengers and 3.8 per cent. in mileage. The Tilling Group raised their traffic by 0.3 per cent, and mileage by 3.4 per cent., and the Scottish Group carried 0.8 per cent. more passengers and travelled

4.6 per cent, more miles.

Revenue statistics for the first four weeks of this year show that provincial and Scottish bus receipts amount to about £4m.-a slight drop on the figure for the corresponding period of 1958. London Transport's road service revenue declined from £4.3m. in the first four weeks of 1958 to £3.9m. this year.

VIGZOL-MAXIMA MERGER N amalgamation of Vigzol Oil Co., AN amalgamation of Vigentaliants, Ltd., And Maxima Lubricants, Ltd., is being negotiated. The consideration is one Vigzol 2s. ordinary share and 2s. 3d. in cash for every two Maxima 1s. ordinary shares.

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#### New A Licence for Eight Lorries Granted: Contract A Transfer

NEW A licence for eight vehicles was granted to Mr. T. H. Rowe, a A Salford haulier, on Monday, by the North Western Licensing Authority, Mr. F. Williamson. The application concerned 10 vehicles in all. Mr. Rowe wanted to transfer six from contract A to A licence and to acquire four more on A licence with a normal user of: "Tiles, fireplaces, clay, bricks, flint and asphalt, Great Britain."

Mr. J. A. Dunkerley, for Mr. Rowe, said it was a three-point application-1, a six-vehicle transfer from contract A to A licence; 2, the replacement of a customer's C fleet by A vehicles; 3, the replacement of sub-contracting, which was entirely unsatisfactory to the customer.

The whole of the work would, in effect, be for two customers, Pilkingtons Tiles, Ltd., and the Limmer and Trinidad Lake Asphalt Co., Ltd. In addition to the six contract vehicles there were at present three vehicles on an A licence.

Mr. T. H. Rowe, answering Mr. G. P. Crowe, for the British Transport Commission, said the application was made at Pilkington's instigation, and the outward traffic was all for that company with backloads of clay and flint from London, Dorset, Devon and Cornwall.

The asphalt company had recently closed their Bootle depot, and had asked Mr. Rowe to carry block asphalt from Glasgow, Cardiff and London to replace that formerly carried from Bootle by their own vehicles. Pilkington's deliveries were throughout Great Britain from Wick to St. Ives. If a licence were granted, the work would be solely for these two customers.

Mr. Crowe pointed out that the asphalt company's evidence was only that they might require more transport. The earnings per unladen weight ton of the A and contract vehicles was, respectively, £971 and £791 in 1958, and a grant of five vehicles would be sufficient.

Of the additional vehicles, one could replace the hiring which now cost about £3,000 a year. The remaining lorries, which Mr. Rowe had said were wanted for asphalt work, should be refused.

Mr. Williamson said that taking into account the hiring, the surrender of the C licences, the undertaking given by Pilkington's not to take out further contract or C licences, and the specific statement of intention by Mr. Rowe, the proper figure for a grant was eight vehicles.

#### COMMISSIONERS MAY USE THEIR OWN KNOWLEDGE

N an appeal decision released this week. the Minister of Transport confirmed that Traffic Commissioners were entitled to take into account general knowledge which they acquired in the course of their office.

He did so in dismissing an appeal by Seamarks Bros., Ltd., against the Metropolitan Deputy Traffic Commissioner's refusal to grant them an express service from Luton to Brighton and Worthing. Existing services, including those provided by Travel House (Luton), Ltd., could, he said, meet the need.

If additional facilities were required, Travel House, who already operated a direct but limited service from Luton to Brighton, should be allowed to develop it if they were willing to do so, instead of introducing a second and similar

#### Forms Were Wrong-Assignment Postponed

THE necessity of the greatest care in dealing with forms was again illustrated at Stockton on Tees, last week, when the Northern Licensing Authority, Mr. J. A. T. Hanlon, refused to grant a special A licence assignment to Gardner Bros. (Langley Moor), Ltd., until February 11 because their application form was received a day late and was undated.

Mr. Hanlon said the application form was received on January 22, undated, but the date of delivery was given as January 21. If the vehicle were delivered before the application were made by the assignee the licence lapsed as soon as it left the hands of the assignor, Teesside Carriers, Ltd. Thus Gardner's had had no right to use it.

Consequently they were not entitled to a grant as of right or to use the lorry until a grant was made because they were in the same position as an A-licence holder whose licence had expired before there

was a renewal.

Mr. R. Gardner, a director, said the omission of the date was an oversight. He had been informed only the previous day that he was using the vehicle unlawfully, although it was not used until after the application form had been sent in.

Mr. W. E. Wagstaffe, secretary of Teesside Carriers, said the vehicle was an eight-wheeler of 7 tons 17 cwt. unladen, and was originally on an A licence. It was agreed to sell it to Gardner's if it could be transferred to special A. This was done and the assignment forms sent in on January 19. The vehicle was delivered on January 21.

There was no doubt, said Mr. Hanlon, that the vehicle had been operated without a licence, but he was satisfied that it was a genuine mistake on Gardner's part. But this was no excuse. Teesside Carriers were in no way to blame. The grant would be suspended for five days.

# Haulage Take-over Delayed: Normal User Changed

PLANS by James Banks (Carriers), Ltd., Dundee, to take over the Northern Motor Lorry Co., Dundee, who hold a four-vehicle A licence, were held up last week by Mr. Alex Robertson, Scottish Deputy Licensing Authority, when he said he would have to see a copy of the agreement of sale and the Articles of Association of the limited company before giving

Mr. James Banks said in evidence that he had been managing Northern Motor Lorries since July, 1957, when the owner, Mr. J. M. Chaplin, began to fail in health. At present, Mr. Chaplin was getting £7 10s. a week out of the business.

In 1956, he and Mr. Chaplin entered into an agreement about the take-over, but an application had to be withdrawn when he failed to obtain sufficient capital. The vehicles included in the agreement at that time had all been replaced. The normal user of Mr. Chaplin's vehicles was now: "Raw jute, jute manufactures, metal, wood, building materials and foodstuffs within the Dundee district and a radius of 25 miles.

However, this had not been adhered to since the Dundee, Perth and London Shipping Co., Ltd., had ended their steamer service to Hull. Northern Motor Lorries were now handling the traffic which had previously gone by sea, helped out by the five contract A licences held by James Banks (Carriers), Ltd.

Besides permission for the take-over, Mr. Chaplin sought continuation of the licence with the normal user amended to: "Raw jute, jute products, building materials and foodstuffs within the counties of Angus, Perth, Fife and Midlothian; linoleum products to Hull and

Mr. John S. Wilson, of the Dundee Linoleum Co., Ltd., said Banks' had taken all his company's products to Hull and Manchester since the shipping service ended in May, 1957. In addition, traffic

formerly sent to London through the shipping company had been transferred to Banks' on a contract licence.

There were objections by Road Services (Perth), Ltd.; Allison's Transport (Contracts), Ltd.; Dundee, Perth and London Shipping; and the British Transport Commission.

Mr. W. D. Connochie, for the private road operators, submitted that the service had been purely local until Mr. Banks stepped in. There were no mitigating circumstances for the change of normal user so the application should fail.

Mr. Robertson said he did not want to inflict punishment on Mr. Chaplin, a very sick man, by refusing the entire application, so he would grant the continuation of two of Mr. Chaplin's vehicles, provided the normal user were amended so that the Hull and Manchester traffic was confined to products of the Dundee Linoleum Co. This was agreed to by the

#### More Fare Increases Granted in the North and in Scotland

THIRTEEN Scottish bus operators were last week granted fare increases by the Scottish Traffic Commissioners to bring their schedules into line with those of the big companies. The only opposition came from Dunbarton County Council, who said theirs was a formal objection.

To this, Mr. W. F. Quin, chairman, pointed out that approval of the operators' proposals was not a formality. If sufficient grounds could be found against the increases, or if the data supplied by the operators was considered insufficient, the Commissioners would refuse the application, despite the normal policy of bringing fares into line wherever possible.

The operators granted increases were McGill's Bus Service, Ltd.; Paton Bros., Ltd.; Rothesay Motor Services; John Carmichael; A.A. Motor Services, Ltd.; Ayrshire Bus Owners (A1 Service), Ltd.; Clyde Coast Services, Ltd.; Cunningham's Bus Services, Ltd.; Graham's Bus Service: Isaac Hutchinson; Peter Irvine and Sons; J. Laurie and Co.; and J. and J. Leith.

#### Glasgow Proposals

Glasgow Corporation are to seek increases to meet an estimated deficit of £713,000 on the current year's working. It is proposed to merge the motorbus, trolleybus and tram fares into one scale, with a minimum of 3d, and a maximum of 10d. Fares on the underground system will also go up.

If the application is granted by the Scottish Commissioners, the biggest blow will fall on tram and trolleybus passengers, for the present maximum fare of 6d. will be replaced by charges of 8d., 9d. and 10d. On all services the existing 4d. and 6d. fares will be abolished.

Weekly season tickets costing 10s. for 24 journeys will be replaced by 8s. 12-journey tickets, but the concessionary fare of 1d. for old age pensioners will be retained and so will half fares for iuveniles.

#### General Manager's Scheme

It is understood that proposals sub-mitted by the general manager, Mr. E. R. L. Fitzpayne-a maximum fare of 1s. on motorbuses, the complete abolition of season tickets, and the doubling of pensioners' fares—were rejected by the majority Labour group, although Cllr. P. Meldrum, the group's leader, said they still had every confidence in him and the transport committee.

The proposed increases would yield about £700,000, but Labour's opposition on the council claim that they will result

in serious traffic losses.

Increases aimed at securing an extra £24,000 a year were outlined to the Yorkshire Commissioners by East Yorkshire Motor Services, Ltd., but they faced objections from 10 local authorities. The company proposed to increase contract ticket rates by 121 per cent., to add not more **B32** 

than 1d. to fares up to 1s., and not more than 2d. to those up to 2s.

Mr. C. R. Wreathall, general manager, forecast that if there were another wage increase, added to the £3,000 extra cost of fuel which had just been thrust on them, another application would have to be made. The company did not want to lose the contract ticket holder, but they just could not afford to carry him.

Mr. Wreathall added that shareholders had not received a penny for 18 months, and if the application were refused East Yorkshire would have seriously to con-

sider other steps.

After hearing objectors, the Commissioners reserved their decision on the application.

#### **Last Concession Goes**

The final concessionary fare on trolleybuses operated by the Teesside Railless Traction Board has disappeared. That is one of the results of an "extremely modest" application which the Board successfully put before the Northern Commissioners.

Mr. J. A. T. Hanlon, chairman, said the Commissioners were as reluctant to make a grant as the Board obviously were to seek increases, but it was right that crews and staff should be paid proper wages and have good working conditions. however, meant higher costs, so the Commissioners had no hesitation in granting

The Northern Commissioners have also agreed to the withdrawal of three services operated by Baldwin and Barlow, Ltd., Tom Law and Co., and Mr. O. S. Gibson, all of the Durham area. They had been told that the services were losing about 1s. a mile, and if they were kept up the operators would probably go out of business.

#### TOURS WITHIN TOURS BY COACH DRIVER

WHILE he was employed by Wallace Arnold Tours, Ltd., a coach driver, Stanley Harrison Walsh, introduced private tours of his own into eight-day tours to London, Windsor and Bourne-mouth. He admitted at Leeds, last week, that he had omitted particulars from his work ticket, with intent to defraud, regarding tours round London Airport and trips from Bournemouth Southampton to see an ice show.

Walsh had charged 8s. for the Southampton trip and 6s. for the visit to London Airport. He had paid for the fuel himself and, in addition, paid £1 to the airport authorities, 10s, to the airport foreman and 30s. to a guide. It was alleged that Walsh's takings might have been about £150, but he had since given Wallace Arnold £103 in full settlement.

Fining Walsh a total of £25, the Leeds Stipendiary said he was impressed by the fact that the man had repaid most of the money

#### Men in the News

MR. J. J. O'DWYER, commercial superintendent of Coras Iompair Eireann since 1951, has retired after 47 years' service.

MR. A. W. EAGLES, traffic superintendent and deputy manager of British Road Services at Coventry, is to retire on February 21.

MR. G. McIntosh has been nominated as the next junior vice-president of the National Association of Furniture Warehousemen and Removers.

MR. A. ELMER has been appointed general manager of the industrial division of Rotol, Ltd., succeeding Mr. W. G. SAVORY, who has resigned.

MR. GEORGE A. WILLIAMSON, director of engineering for the Firestone Tyre and Rubber Co., Ltd., has retired. He joined the company as chief engineer in 1928.

MR. PETER WARE has been appointed chief executive engineer of the Rootes Group. He will take charge of engineering activities at Coventry, and oil-engine design and development at Maidstone.

Mr. CHARLES C. Cox has been appointed sales manager of the Canter-bury branch of Martin Walter, Ltd. He was previously responsible for the sales department of Egertons (Ipswich), Ltd.

Mr. James Brown has been appointed assistant buyer in the motor department of James Robertson (Factors), Ltd., Glasgow. He was previously a representative for the company in the West of Scotland, and is succeeded by MR. ROBERT J. SIM.

MR. CHARLTON AYRE, trade vehicle manager with Charles G. S. Buist, Ltd., Newcastle upon Tyne, has become a director of the company, and so has the retail sales manager, Mr. R. C. Sim. Mr. D. W. ROBERTSON has been appointed secretary, succeeding Mr. G. WILLMOTT on his retirement.

MR. H. G. HENLY, who has been treasurer of the Motor and Cycle Trades Benevolent Fund since 1941, will be nominated for president at the annual general meeting on March 3. Mr. A. Fraser will be nominated as treasurerhe has been deputy for eight years—and MR. J. R. T. GIBSON JARVIE will be nominated as deputy treasurer.

MR. J. E. FODEN, joint managing director of Fodens, Ltd., is on a business tour covering Spain, Australia, Singapore and Tasmania. He may also visit Malaya, Sumatra, Borneo and Java before returning to England via the U.S.A. MR. V. SMITH has undertaken an extensive South American tour for the company, visiting distributors in nine countries.

#### STATE TO TAKE OVER BUSES

PLANS for nationalizing all passenger transport in the Punjab within the next few years have been announced by the Punjab Government. The first Statecontrolled transport was introduced in in Ai La merc highe Brita great than first Euro He Britis and to m Br suffe on c Com Brita ciatio Neve stano

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#### Britain is Europe's Biggest Exporter

GREAT BRITAIN exported more commercial vehicles than any other European motor manufacturing nation, Mr. Michael Raikes, export director of Rootes, Ltd., speaking on behalf of the motor industry, told a Press conference in Amsterdam on Tuesday.

Last year's shipments of 112,600 com-

mercial vehicles were about 10 per cent. higher than those of Western Germany, Britain's nearest rival, and three times greater than those of France. More than a fifth of Britain's exports in the first nine months of last year went to

He stressed the advanced standard of British commercial-vehicle engineering and said that testing facilities available to makers were the finest in Europe.

British commercial vehicles would suffer increasingly from the tariff effect on competitive prices when the European Common Market got into its stride, unless Britain's concept of a wider trading association of nations eventually materialized. Nevertheless, British vehicles would withstand all competition for a long time to come.

The United Kingdom earnestly wished to participate in a European Free Trade Area. British commercial-vehicle manufacturers had nothing to fear from their rivals under fair trading conditions, either in Europe or in the domestic market.

#### CEYLON TRANSPORT BOARD TO BE INVESTIGATED

THE working of the Ceylon Transport Board is to be investigated by a threeman ministerial sub-committee. They will inquire, among other things, into the powers vested in the board by the Nationalization Act, the salaries of senior officers, changes in staff, and the case made out by the board for standardization of fares.

The Colombo Municipality, who complained recently that they were running trolleybuses at a loss while C.T.B. buses took away the cream of the traffic, have been advised by the Minister of Nationalized Services to sell their trolleybuses. He has undertaken to find buyers if they agree, pointing out that it would be cheaper to run oil-engined buses.

DEATH OF MR. HARRY AUSTIN

WE regret to announce the death last Sunday of MR. HARRY AUSTIN, brother of the late Lord Austin of Longbridge, with whom he spent his entire career in the motor industry. When Mr. Herbert Austin (later Lord Austin) founded his own car factory in 1906, Mr. Harry Austin became superintendent of the chassis shop, a post which he still held at his death at the age of 82.

RECORDS CHECK ON AL

DMITTING nine charges of failing to A ensure that a driver kept proper records, William Marsden and Son, Ltd., butchers, Sheffield, were fined a total of £18 at Sheffield on Monday. The charges followed a check by examiners on the A1 at Doncaster.

#### Fares Application Not Big Enough

WHEN Swindon Corporation applied to the Western Traffic Commissioners for fare increases, this week, Mr. S. W. Nelson, chairman, said they should have put in a bigger application. The Com-missioners had been told that the corporation would have a small deficit even if the increases were granted, but they did not mind this.

Mr. E. G. A. Singleton, on their behalf. said they wanted to increase 24d. fares to 3d. and in one case a 2d. fare to 3d. In the last financial year there was a deficit of £4,070 which could not be completely wiped out by economies.

Mr. Nelson pointed out that if they had sought heavier increases, the cor-poration would have put themselves "in the clear" and provided a cushion against higher costs. The application was granted.

The Western Commissioners also granted increases to Bere Regis and District Motor Services after being told that they had come to an agreement with the Southern National Omnibus Co., Ltd. The organizations had some common routes and it had been decided to retain a difference of ½d. or ld. in their fares in a few cases.

Mr. A. E. Savage, for Bere Regis, said they would lose £5,000 on the year even with the increases, but they wanted to clear up anomalies which had built up

This Bedford-Telehoist tip per, which discharges with the body at 70°, is being used by Dowsett Engineering Construction, Ltd., on the London-Birmingham motor-way. The 6-cu.-yd. body has a sloping front and 25° scow. and is tapered from a width of 6 ft. 10 in. at the front to 7 ft. 2 in. at the rear. Tip-ping gear is of the Telelever type.

over the years between their schedules and those now operated by Southern National.

The Commissioners also granted permission for services to be reduced to save £3,500. Hants and Dorset Motor Services, Ltd., were allowed to adjust their fares to come into line.

[Other news of fares, page 38.]

#### MINISTER DEFENDS STAFF ON MOTORWAYS CHARGES

HARGES that the Ministry of Transport deleted proposals for the drainage of the Preston motorway were refuted by Mr. Harold Watkinson, Minister of Transport, in the House of Commons on Tuesday. He said his staff and that of Lancashire county surveyor had agreed on the drainage for the road. and no request for additional drainage had been put forward by the surveyor and refused by the Ministry.

The Opposition are said to intend to press for an inquiry into the matter in a forthcoming debate on the road programme.

#### Prosecution Drop **Hours Test Case**

TEST case to decide whether a lorry A driver can drive home by car after completing his permitted hours of driving away from base was completed at Spilsby on Monday (The Commercial Motor, January 23).

At an earlier hearing it was said that drivers employed by Shaw Bros., produce merchants, Friskney, drove home after completing their hours using cars brought by the relief drivers. This could involve considerable additional mileage, the prosecution pointed out.

Two summonses brought by the East Midlands Licensing Authority against a driver for failing to have at least 10 hours' consecutive rest in 24 were dismissed after the defence had stated that



once the driver left the lorry he was not under the direction of his employer.

Two summonses against Shaw Bros. for permitting the alleged offences were then adjourned to allow the prosecution to consider the matter. Also adjourned was a summons against another driver, coupled with another summons against the employers.

On Monday the court was told that the prosecution had decided to withdraw the charges.

#### FREE SHOREHAM BUS

THE latest free bus service to be started by a local Liberal party is in Shoreham, where fares have been increased. A hired coach carries housewives between the shopping centre and outlying parts of the town.

#### **NEW WORKS MANAGER**

AFTER 13 years' service with the company, Mr. J. R. Privett has been appointed works manager at the Basingstoke factory of Transport Equipment (Thornveroft), Ltd.

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## Coach Holidays More Popular

WITH increasing prosperity in the industrial district of Shropshire, more people are becoming interested in extended coach tours to holiday areas, Mr. Howard Tranter, secretary of the Shropshire Omnibus Association, told the West Midland Traffic Commissioners on Tuesday.

With the rise in their standard of living, people are thinking more and more about these extended tours instead of their pre-war ideas of half-day or day trips, or a week by the seaside," he said.

Mr. K. Mynett was applying on behalf of the Association for tours to Devon and Cornwall, the South Coast, Wales, East Anglia and the Norfolk Broads, and Scotland and the Isle of Skye. It was proposed that the tours, from April to November, should last from six to 12 days. The vehicle allowance would be one, with a maximum of three in any one week.

The application, said Mr. Mynett, was in respect of five member concerns-G. Cooper and Son, Oakengates; H. Brown and Sons, Donnington; Martlew and Sons, Donnington; A. T. Brown, Trench, and J. E. Lowe and Sons, Hadley.

There were objections by G. H. Austin and Sons, Ltd., Salopia Saloon Coaches, Ltd., Jones Coachways, Ltd., Worthing-ton Motor Tours, Ltd., and the Birmingham and Midland Motor Omnibus Co., Ltd. Yeoman's, Miller and Co., Ltd., withdrew their objection, but asked to note their Commissioners comments.

Mr. Mynett said picking-up points within an eight-mile radius of Oaken-

gates were sought, although the great majority of passengers would come from a four-mile radius.

This was the primary industrial area of Shropshire, occupied by well-paid people. No operator of extended tours had picking-up points in the area.

Mr. Albert Perkins, chairman of Oakengates Urban District Council, said the council wholeheartedly supported the application as a service which was badly needed.

Answering Mr. J. Else, for three of the objectors, he agreed that the council had not had any representations from the public about the matter. It had been raised by a councillor, he said.

Representing the headmaster of Trench Boys' Secondary Modern School, Mr. James Kerry, a member of the staff, said the feeling in the area was that it was a nuisance to have to go to another town to start a holiday.

The hearing was adjourned until April.

#### ITALIANS TO MAKE LEWIN **SWEEPER**

EWIN sweepers are to be made under L licence by the Macchi concern, of Varese, Italy. This arrangement follows negotiations between Macchi and Brockhouse (Trading Facilities), Ltd., who have already sent a set of sprinkler-sweeper equipment to Italy for mounting on a Bianchi chassis to go into service in Milan.

It is planned to produce Lewin designs suitable for various European markets. The German agents, Messrs. Haller, are to take part in discussions about future sales and manufacturing policies on the Continent. Next month, a demonstration Lewin orderly will be transferred from Italy to Germany.

#### Pleasureways Defend £15 Tour Charge

THE fight by Pleasureways (1955). Ltd., for a new seven-day tour to Margate was continued at Manchester on Tuesday (The Commercial Motor, January 9), when seven more members of the public gave supporting evidence.

Pleasureways, who proposed an inclusive charge of £15, admitted that there had been unorthodox operation until it was stopped last year by the Traffic

Commissioners.

Mr. J. Booth, for the company, said the charge of £15 had been severely tested before being finally decided upon. H. Backhouse. objecting for Robinson and Sons (Great Harwood). Ltd., Happiway Tours (Manchester), Ltd., Stanley Spencer Tours (Manchester), Ltd., and Smiths Tours (Wigan). Ltd., replied that £15 could not be adequate.

Mr. A. C. Bond, Happiway's general manager, said his company were granted a Margate licence last year and the 1959 season would be the first real period of operation. Any opposition could be dangerous. Pleasureways were operating their Margate tour illegally when Happiway's made their application, he pointed He had received no complaints out. about food or hotels.

Replying to Mr. Booth, he said his company required the normal standard of protection from increased competition. They made their Margate application because customers were always asking for new destinations.

The chairman of the Yorkshire Traffic Commissioners, Mr. F. Williamson, said the case would be continued February 12.

#### CHRYSLER PLANT IN CAPE TOWN

A<sup>N</sup> agreement between Chrysler International, S.A., and Atkinson Oates Motors, Ltd., South Africa, has resulted in the formation of a new company, Chrysler South Africa (Pty.), Ltd., who will run an assembly plant and parts depot in Cape Town.

Both Chrysler and Simca vehicles will be assembled at the plant, and Chrysler's believe that they will now have an important market for British-built Dodge

The plant is located on a 21-acre site. and contains 215,000 sq. ft. of floor space. including an office building. The daily production capacity, with 650 employees. is 60 cars and 12 trucks.

Mr. H. G. Oates, president and managing director of Atkinson Oates Motors, will become chairman of the new company.

#### **BUS OPERATORS MERGE**

THE acquisition of D. J. Morrison. Ltd., bus operators, Tenby, by W. L. Silcox and Son, Pembroke Dock, was approved last week by the South Wales Traffic Commissioners. Silcox already have a fleet of 33 buses, comprising 16 double-deckers and 17 single-deckers. They run stage, express and excursion and tour services.

#### Warning on Hours to be Published

SPECIAL notice is to be inserted in A the next issue of the Yorkshire Area's Applications and Decisions drawing operators' attention to the law about drivers' hours. Maj. F. S. Eastwood, Yorkshire Licensing Authority, decided to issue the warning after hearing on Tuesday how H. Blacker and Co., Selby, had been convicted of offences concerning hours and records.

The company had been called upon to show why their licences should not be revoked or suspended following the conviction last November. They had been fined a total of £313 on 170 charges and their drivers were fined £104.

Mr. P. Kenny, for the company, said it was a family partnership of six, now managed by Mr. Herbert Blacker. Practically the whole of the work of their vehicles-five on A licence, five on special A and seven on contract-was for the British Sugar Corporation, distributing sugar to wholesalers and retailers in Yorkshire and the North East.

It was mainly day work and there was little backloading. Since 1939, drivers had kept time sheets as well as the normal

drivers' records.

The prosecutions had been founded on discrepancies between the two, but this system was inherited by Mr. Blacker when he became manager in 1957. Both time sheets and records were handed to the enforcement officer at the same time, so there was no intent to deceive.

Mr. Herbert Blacker said in evidence that hours shown on the time sheets but not on drivers' records were spent on the loading bank transhipping when driving had finished. The time sheet system had now been dispensed with.

#### **Explanation Accepted**

Maj. Eastwood said there was no proof that the company had encouraged excessive driving hours for profit, and he accepted their explanation about transhipping.

Too many hauliers thought work on the loading bank was not in connection with the load, and a warning notice would be published. In this case he did not propose to revoke or suspend because the earnings of the fleet-just over £2,000 per vehicle-were low, and it was obvious that the company had not been attempting to make additional money overworking their drivers.

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# Uganda Likes Lorries and Buses from U.K.

OF the 613 new lorries registered in Uganda last year, 442 were from the United Kingdom—and Bedfords were top of the list, with 178 units. Next came Austin (104) and Mercedes-Benz (93). There are now 4,985 lorries in Uganda, of which 4,167 are British.

During the year 60 new buses were registered, of which 17 were Albions, nine Ford and eight Leyland. Of the 570 buses in Uganda, 171 are Albions.

Britain does not lead in the van field, however. New vans registered during the year totalled 854, of which 428 came from the Continent and 362 from the United Kingdom. Most popular make was Peugeot, followed by Opel. But of the 6,651 vans now in use, Britain has manufactured 3,983.

#### THE COST OF COMPETITION

Competition in the commercial vehicle industry is so intense that prices are being cut despite rising costs. This was stated by Mr. Michael Moore, chairman of Jonas Woodhead and Sons, Ltd., Leeds vehicle suspension specialists, when he pointed out that all the subsidiaries in the Woodhead group were doing well—with the exception of those making vehicle suspensions.

However, efforts were being made to obtain a better balance of orders, and he hoped that there would be improved results all round by September 30.

#### Big New Depot for Red and White

A BUS station capable of handling the 150 vehicles serving the Glamorgan and Monmouthshire valleys from Tredegar has been opened for the operators, Red and White Services, Ltd., by Mr. Aneurin Bevan, M.P. The station, comprising 11 "Sawtooth" platforms, offices and garage for 80 vehicles, adjoins Commercial Street. It will be used not only by Red and White, but by Associated Motorways for their express services, and by other undertakings serving the district.

In addition to providing cover for passengers, the station offers much improved staff amenities and maintenance facilities. The workshops have five repair pits, two greasing pits, an automatic bus-washing plant and steam cleaner, and extensive stores. The site, which was taken over from the National Coal Board, will reduce dead mileage and relieve congestion in the town centre.

#### INDIAN CONFERENCE

A MESSAGE of greeting from the Traders' Road Transport Association was read at the opening session of the two-day conference of the All-India Motor Unions' Congress held at Bangalore last week. The conference was opened by India's Minister for Transport and Communications, Shri S. K. Patil.

The Congress is an associate member of the International Road Transport Union.

#### "A" Lorry Each Granted to Two Hauliers

FOLLOWING the unconditional withdrawal of British Transport Commission objections, additional A-licensed vehicles were granted to Mr. W. P. Twibell, Mobberley, and Hawkins Express Carriers, Timperley, at Manchester on Monday.

Mr. F. Moss, for Mr. Twibell, said he ran two A- and one B-licence vehicles, mainly on the collection and delivery of milk for the Milk Marketing Board. The opening of a new branch in Knutsford by the Macclesfield and District Farmers' Trading Society, Ltd., who were the sole agents for the distribution of L.C.I. fertilizers, and operated a corn-grinding plant, was new work in the area and had already reached £80 a month.

Because existing vehicles were fully engaged on milk until noon, Mr. Twibell also found himself letting down many farmer customers. A vehicle of 3½ tons unladen was sought and, after a meeting of the road and rail negotiating committee, a British Railways objection had been withdrawn unconditionally.

For Hawkins Express, Mr. J. A. Dunkerley said they had one vehicle on A licence with a normal user of "parcels and smalls, Manchester and Cheshire." The average earnings had increased during the past year from £187 to £236 a month. It was impossible to hire because of the nature of the business and an additional vehicle of 3 tons unladen was sought. A B.T.C. objection had been withdrawn.

#### MOVE TO INCREASE CRANE SALES

To combat what they term "the aggressive bid of Continental crane manufacturers for world markets," Steel and Co., Ltd., Sunderland, have made an offer for the whole of the ordinary stock of R. H. Neal and Co., Ltd., makers of the Neal mobile crane. Steel's have already bought the crane business of F. Taylor and Sons (Manchester), Ltd., who manufacture the Taylor Jumbo mobile crane.

## "A" Vehicles Had Contract Trailers

WHEN Barber Turnock Transport, Ltd., Stockport, put in an A licence application to the North Western Licensing Authority, Mr. F. Williamson, on Monday, the hearing was adjourned after Mr. Williamson had declared that it was clear that the company had been doing things they should not have done. He said he would require figures for their vehicles working under A, contract A and B licences.

Mr. J. A. Dunkerley, for the company, said they had five vehicles operating under three different A licences, with rormal users mainly for local work and to Yorkshire and the North East. Economy of operation demanded interchangeability, so they wanted to put these vehicles, together with two contract-A trailers, on to one A licence to facilitate this.

Mr. G. Barber, managing director, said that they originally had a contract vehicle with British Metal Crates, Ltd., but it was smashed up last May. It was replaced by two trailers hauling to London and the Midlands which, in emergencies, were drawn by A-licence vehicles.

Answering Mr. G. P. Crowe, for the British Transport Commission, he agreed that the drawing vehicles had also carried full loads to these destinations since May. Mr. Crowe pointed out that this meant vehicles with a local normal user had

been put on to regular long-distance work. Questioned by Mr. Williamson, Mr. J.

Questioned by Mr. Williamson, Mr. J. Holderness, of British Metal Crates, Ltd., said there was no reason why they should not have a vehicle as well as a trailer on contract.

At this stage Mr. Williamson adjourned the case and ordered broken-down figures to be produced.



Bridgwater Bros., of Epsom, are operating this Thames Trader 7-tonner with Bennes Marrel multi-bucket tipping gear supplied by Aero Maintenance Equipment, Ltd., London. Six buckets are employed to ensure maximum use of the chassis. Controls for the tipping gear are inside the cab, and the buckets are quickly detached and dropped to the ground.

Feb

#### "Better Roads Would Save Fuel"

"IF we could divert some of the tremendous capital expenditure that is going into the fuel industry to building roads and by-passes round our congested areas, we should be making a considerable saving in imported oil.

This was stated by Mr. R. Gresham Cooke (Cons., Twickenham) when the House of Commons discussed fuel policy He suggested that earth last week. moving equipment not now being used for opencast coal-mining be put to work on highway projects.

#### THE COST OF BUS CREWS

T costs about £20 to train bus drivers and conductors who join Coventry Transport Department, the city council were told last week by Ald. H. Weston. He said that in 1957 there were 261 recruits and last year the figure increased to 383.

Cllr. W. Spencer, chairman of the transport committee, added that a man who was trained to drive a bus and decided to leave the department before completing two years' service had to forfeit £10. This was a safeguard which had worked very well.

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NEW TRANSPORT COMPANIES
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Henry Smith and Mrs. Elizabeth Smith, 4 Glencoe
Terrace, Leeds, 9. Sec.: H. Smith. Reg. office:
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W. and E. Whitehead (Haulage), Ltd. Cap.
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Rowan Avenue, Egham.

#### Radius for Coal Put at 50 Miles

BECAUSE a former associated company is now an entirely separate entity, Hunter's of Hull (Transport), Ltd., were at Bridlington last week granted an increased radius for 10 B-licensed vehicles engaged on the carriage of coal, coke and oil.

Mr. R. E. Paterson, for Hunter's, told the Yorkshire Licensing Authority, Maj. F. S. Eastwood, that following the death last year of Mr. George Hunter-a joint director of both the transport company and G. Hunter and Sons (Coal), Ltd. the companies were now no longer connected

Because of the previous shareholdings, the B-licensed vehicles had been able to carry coal for G. Hunter from the West Riding for many years, and they were now seeking to extend the radius of 10 vehicles to 50 miles so that they could continue to do so.

Cross-examined by Mr. T. B. Atkinson, for British Railways, Mr. Harold Hunter said that over half the coal carried was opencast and unsuitable for carriage by rail. Forty-two of the company's vehicles could do this work and the main purpose of the application was to tidy up the conditions of the 18 vehicles on B licence, six of which could already carry general goods within 60 miles, and make them interchangeable.

Mr. Atkinson submitted that the railways accepted Mr. Hunter's evidence, but they were concerned about the possibility of vehicles with these conditions getting into other hands in the West Riding and being used for a very different purpose.

Granting the application, Mai. Eastwood said it was a common-sense one. If the vehicles changed hands a check could be made on their operations.

#### £10 Extended Seaside Tours for O.A.P.s Granted by Commissioners

BECAUSE they had a much smaller field to cover for passengers and fewer picking-up points than large operators, R. H. Harrison (Morecambe), Ltd., were successful when they appeared before the North Western Traffic Commissioners last week.

The company wanted two new extended tours to Eastbourne and Paignton, with four departures each, to be operated only this year. The proposed inclusive charge was £10.

Asked why the tours were for only one year, Mr. R. Harrison, a director, said there was an understanding that they should be applied for annually,

Two pensioners, who said the price of the tours was within their income range, told Mr. S. Moss, for Florence Motors, Ltd., that to pay £12 for a similar Florence tour would be beyond their means.

#### "Traffic Has Fallen"

Mr. R. R. Renton, Florence's managing director, said the number of passengers his company had taken on Eastbourne and Paignton tours in 1958 was lower than in the previous year. This was probably due to Harrison's intervention.

Mr. Moss added that there would now be a succession of similar applications under the guise of pensioners' tours. Once the availability of fantail tours operation was affected the pattern which had been evolved over the past 20 years would be changed.

For Harrison's, Mr. T. Booth said there was a need for their tours and if they could operate economically at £10 there was no reason why they should not do so. The objectors, he pointed out, gathered passengers from Carlisle to Manchester, but Harrison's operated only in the Morecambe area.

Mr. F. Williamson, chairman, said the parties were in two main categoriesthe objectors were large-scale operators with an extensive gathering ground, whilst Harrison's were much smaller.

#### DORMOBILE WAS A "BUS"

FINES totalling £30 were imposed at Leyland, Lancs, last week on William Edward Colling, Rufford, near Ormskirk, for using his Dormobile to take several of his friends to work at Leyland.

The prosecution said that as the men shared the cost, Colling was using the vehicle as a stage or express carriage.

#### STANDARDIZATION GRANT

To enable them to standardize their fleet, Allison's (Transport), Ltd., were last week granted a variation of their A licence by Mr. Alex Robertson, Scottish Deputy Licensing Authority. He allowed them to replace two vehicles by two more which would increase the unladen weight, although there would be no material change in carrying capacity.

#### Municipal Opportunities

Accrington Transport Committee wish to buy four

Guy double-decker chassis.

Barrow in Furness Corporation seek to borrow £4,421 to buy a single-decker.

Blackpool Cleansing Committee are to buy a B.M.C.-Gibson refuse collector.

Stoke on Trent Corporation are recommended to uy three Bedford 25-cwt, chassis,

Shoreditch Borough Council are advised to buy refuse collector from Rootes, Ltd.

Manchester Waterworks Committee wish to buy a Thames 7-tonner from H. and J. Quick, Ltd.

Ossett Corporation are recommended to acquire a refuse collector from Cox and Co. (Leeds), Ltd. Wolverhampton Corporation are to obtain an S.D. gully emptier and two Morris Minibuses from Bradburn and Wedge, Ltd.

West Bromwich Finance Committee recommend that Guest Motors, Ltd., supply two Thames 5-tonners and two 7-tonners. Bournemouth Highways Committee recommend that Lee Motor Works (Bournemouth), Ltd., supply two refuse collectors. The health committee seek to acquire two ambulances.

two refuse collectors. The to acquire two ambulances.

Berwick Corporation are to obtain a refuse

Nottinghamshire County Council are to obtain a in and a lorry.

Halstead Urban District Council are to purchase

Sowerby Bridge Urban District Council are to

Chester-le-Street Urban District Council are to courie a refuse collector.

Lees Urban District Council seek tenders for the

of a refuse collector.

Glasgow Education Committee are to buy an Austin to carry spastic children. Swindon Transport Committee seek tenders for the supply of six double-deckers.

Norwich Health Committee recommend that Marston Caravans, Ltd., supply a mobile clinic. Dudley Corporation are to purchase three Bedford 3-tonners, a 15-cwt. truck and a light van.

Burnley Corporation are advised to buy three Karrier 2-ton chassis from Cuerden Motors, Ltd., and three tipper bodies from Oswald Tillotson.

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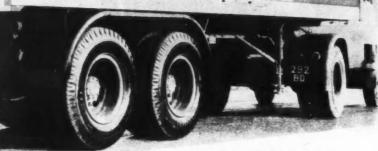


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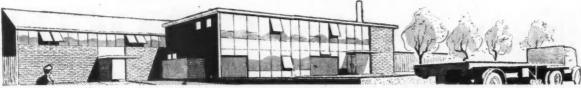
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# Driver Loses Claim for Damages

A MAN who injured his wrist trying to start a 1933 lorry was unsuccessful when he claimed damages from his employers at Worcestershire Assizes, last week. He was Mr. George Such, Queen Elizabeth Road, Kidderminster, who brought an action against the Economical Coal, Iron and Steel Co., Kidderminster.

Mr. Such said he was delivering coal in a 1933 lorry which was not in normal use—there were no lights or brakes and the starter handle was faulty. He had to use the starter handle so often that his right hand became sore. Eventually the handle kicked back, knocking him into the road and injuring his wrist.

His wrist was in plaster for 11 months before he underwent an operation and he was unable to find light work until three months afterwards. Now he was a van driver, but he still had difficulty in fastening buttons, and had to employ someone to dig his garden.

Answering Mr. E. Brain Gibbens, for the company, he maintained that he had reported the vehicle's condition to his employers, who said they did not want to spend much on it. He agreed that he did not retard the ignition when attempting to start the lorry, but said he had not been told to do this.

Evidence was given by three previous drivers, who contended that the vehicle was not fit to be on the road, but judgment, with costs, was awarded to the company.

#### RAIL CAR TRANSPORTER SERVICE "UNRELIABLE"

OF the new cars which are taken each year to A. and C. McLennan (Perth), Ltd., 95 per cent, are driven there by McLennan's own men, whilst 5 per cent, make the journey by rail. The reason for the overwhelming popularity of road was explained last week by the company's chairman and managing director, Mr. A. McLennan, who said the railway service was unsatisfactory in cost and delay.

Mr. McLennan asked the Scottish Deputy Licensing Authority, Mr. Alex Robertson, to grant him a five-vehicle articulated car transporter on B licence to haul new models from the Rootes Group factories in Coventry

The outfit, he said, would consist of a 3-ton tractor and a 5-ton trailer, so there would be one vehicle on the road instead of five. One of his main difficulties was that customers liked to buy cars with nothing on the milometer, but after the trip from Coventry by road there was a reading. The transporter would end this.

There were 10 objectors listed, but only two were represented—the British Transport Commission and Progressive Deliveries, Ltd. For the B.T.C., Mr. D. Brown requested an adjournment so that he could call a number of witnesses, particularly from British Road Services.

This was granted, and the case will be taken up again on March 6.

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#### Hauliers Spur the Railways

THE spur of free-enterprise road haulage had caused the London Midland Region of British Railways to streamline their freight services, Mr. A. E. Drain, chairman of the Metropolitan and South Eastern Area of the Road Haulage Association, suggested at North London Sub-area's dinner at Hendon last Saturday.

The key to the railways' plan was more efficient door-to-door service, which hauliers had been giving British industry for many years, he said. Six years after private operators had bought back their fleets from British Road Services, the railways were at last starting a determined modernization plan to establish faith in their reliability.

#### LABOUR PLANS HIT SALES

A FALLING off in the sale of commercial vehicles will be reported by the chairman of the Braid Group, Ltd., Mr. Robert Braid, at the company's annual meeting on February 26.

Mr. Braid will tell shareholders that he believes the drop in turnover is probably due to the constant threat of renationalization of the haulage industry which has affected sales to both C licensees and hauliers.

#### "Why Labour's Plan is Being Kept Quiet"

ALTHOUGH the Labour Party have said that they may shortly publish more details of their plans for renationalizing iron and steel, they have made no similar promise about road haulage. Why? Because they are after bigger prey, according to Mr. R. N. Ingram, national chairman of the Road Haulage Association.

Speaking at the annual dinner of the R.H.A.'s Southampton Sub-area, last Friday, he said Labour had not forgiven trade and industry for showing what they thought of the nationalization of long-distance haulage by putting their own vehicles on the road.

It was certain that if the Socialists ever returned to power and handed haulage back to the British Transport Commission they would also place a restriction on C licences.

Inequalities between road and rail in taxation and rating were emphasized by Mr. J. H. G. Barber, sub-area chairman. Last year, he said, his own modest business employing about 100 people had paid £6 per man per week in taxation. This sum equalled 19 per cent. of the total revenue. The railways, however, enjoyed unfair privileges in taxation.

#### Micrograms . . .

Pickfords Move: The Bedford branch of B.R.S. (Pickfords), Ltd., has been moved to 75 Harpur Street.

A.E.C. Order: The Ethiopian Imperial Highways Authority have ordered 40 A.E.C. Monarch Mk. VI tippers.

U.D.T. Harrow Office: The United Dominions Trust, Ltd., will open a new branch office at 2 Peterborough Road, Harrow, Middx, on Monday.

Selling Out: The business of Kidd Bros., furniture removers, Greenock, which was carried on by the late Mr. W. W. Buchanan, is being sold as a going concern.

Coach Rally: This year's British Coach Rally, sponsored by Passenger Transport, will be held at Brighton on April 18-19, starting from Victoria Coach Station.

Leyland's Johannesburg Depot: New premises at Selby, Johannesburg, have been opened by Leyland Albion (Africa), Ltd. The depot includes an 8,000-sq.-ft. workshop for Leyland, Albion and Scammell service.

Thames Six-wheeler: The Thames Trader six-wheeled 26-cu.-yd. tipper recently taken into the fleet of the Southern Gas Board (The Commercial Motor, January 30) was supplied by Percy Hendy, Ltd., Vincent's Walk, Southampton.

Bath Coach Centre: A site at Queen's Parade. Bath, which was formerly the terminus for vehicles operated by the Bristol Omnibus Co., Ltd., is to become the centre for setting down and picking up passengers who visit the city by coach. The arrangement will be tested for a year.

Big Leyland Exports: More than 60 per cent. of the production of Leyland Motors. Ltd., was last year exported to over 50 countries. The largest consignments went to the Indian sub-continent and Africa. Other big orders came from the Middle East, Australasia, Pakistan and Holland. Controls Removed: Export control has been entirely removed from parts for four-wheeldrive vehicles.

Saunders Take-over: H. A. Saunders, Ltd., have acquired the capital of Allen Motors (Cheltenham), Ltd.

End of Trolleybuses: George Cohen Sons and Co., Ltd., have gained the contract for disposing of London's trolleybuses over the next three years.

Matbro Group: H. and L. Mathew, Ltd., have decided that the four companies in the Matbro organization shall be known as the Matbro Group.

British Trailer Co. Move: The Leeds office of the British Trailer Co., Ltd., has been moved to Room 11 Basinghall Buildings, Basinghall Street, Leeds, 1.

100 Years Old: Thomas Potter, Ltd., Glasgow, who market the Overseer tower truck and mobile workshop, complete 100 years' trading this month.

Bidders Revealed: Dorada Holdings are revealed as the bidders for the capital of E. J. Baker and Co. (Dorking), Ltd., Bedford distributors. The offer has now become unconditional.

Salary Increase Sought: The National and Local Government Officers' Association are seeking salary increases of £40-£55 a year for inspectorate grades in road passenger transport, and of £35-£55 for foremen.

Pirelli's New Branch: Pirelli, Ltd., have opened a new branch at Lyon Road, Selinas Lane, Dagenham, Essex, to cover the castern half of London and the Eastern Counties. Mr. D. E. Gething has been appointed manager of the London East district.

Midland Sales Office: High Duty Alloys, Ltd., have opened a new Midland sales office at Queen's College Chambers, 38a Paradise Street, Birmingham, 1. A new sales department has been set up at the Forging Division, Windsor Road, Redditch, to handle home market inquiries.

#### Post Office Continue Tests With Oilers

FURTHER tests with oil engines are to be made by the Post Office before they decide whether to replace all their petrol-engined vehicles by oilers. So far, 50 vans of 240-cu.-ft. and 360-cu.-ft. capacity have successfully completed trials with oil engines, and the next move will be to test 600-cu.-ft. vans.

The Post Office report that 240-cu.-ft. vans fitted with oil engines showed a 40 per cent, fuel saving over petrolengined vehicles of a similar capacity, whilst the saving on 360-cu.-ft. vans was nearly 50 per cent.

However, it is considered that tests will have to be made over a period of between 12 and 18 months before a final decision on conversions can be reached.

Disadvantages of oilers which have been noticed are vibration at tick-over speeds and slower acceleration in low gears, but neither is considered serious enough to prejudice the use of oilers by the Post Office.

Regional directors throughout the country are to make a further report on oil engines to Post Office headquarters in a year's time.

NOVEL POWER DRIVE

FOR NUBIAN NEW design of power drive has been A NEW design of power drive has been devised by Transport Equipment (Thornycroft), Ltd., for the Nubian sixwheel-drive fire tender. The drive unit is incorporated with the clutch bell housing and is so arranged that power is taken directly from the engine flywheel and is independent of the clutch.

Drive is engaged by means of a robust synchromesh-type dog engagement which enables power to be taken off without disengagement of the clutch. This means that the vehicle can still be driven while the auxiliaries are being powered.

The new unit is capable of transmitting 150 b.h.p. at 3,500 r.p.m. for a limited period. Information on ratings for longer periods can be supplied by Thornycroft upon receipt of details of proposed installations.

#### DUBLIN MEN SAY "NO" TO CONTAINERS

DUBLIN'S cross-channel dockers, by an overwhelming majority, have rejected the recommendation of the Labour Court that they should handle container traffic for an experimental period of one year.

This decision was taken against the advice of union officials that the plan should be given a trial, and in face of the recent statement by the Dublin Port and Docks Board that the attitude of the dockers is causing a serious loss of trade to the port.

For two years the dockers have refused to handle containers on the ground that this traffic would cause heavy loss of employment in their ranks. They insist that they must have guarantees as to future employment, but the employers say this is impossible.

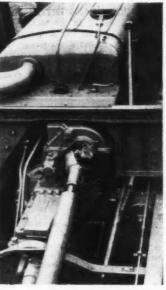
The Labour Court are being asked to consider the position again.

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#### Abolish Speed Limit, Say Bus Operators

THE proposal to raise the speed limit for buses and coaches outside builtup areas to 40 m.p.h. has brought a protest from the Public Transport Association, the Municipal Passenger Transport Association and the Passenger Vehicle Operators' Association. They say there should be no limit at all.

In a statement issued last week, the groups said they had told the Minister of Transport that they were "keenly disappointed" at his suggestion. Equality would still not be provided between their vehicles and private cars outside built-up areas, yet the standard of maintenance of buses and coaches was far higher than that of any other vehicle.



Arrangement of the Nubian's power drive can be seen here.

They had pointed out to him that one of the main aims of increasing the limit was to promote as even a flow of traffic as possible, but this ought to mean that no class of vehicle should be prohibited from contributing towards that flow if it were suitable for higher speeds.

#### "SAFETY BELTS WOULD HALVE ACCIDENTS '

THE use of safety belts would reduce fatalities and the seriousness of injuries to drivers and passengers of vehicles by 50 per cent., according to a report submitted to the British Safety Council by their administrative director, Mr. James Tye.

He says that this theory has been proved by research carried out in the U.S.A., and calls for a £20,000 publicity campaign by the Ministry of Transport to popularize safety belts in this country.

In the House of Commons last week, Mr. G. R. H. Nugent, Parliamentary Secretary to the Minister of Transport, said research into the effectiveness of safety belts was still being carried out.

#### Tax Fraud Charges: Defence Unprepared

ON an application by the defence, the trial of three men and a woman accused of conspiracy and income tax frauds was put over to the February Sessions at the Old Bailey last week.

One of the men was Peter Rhodes.

managing director of Oakleys (London and Scottish) Transport, Ltd., whose address was given as Green Lane, Goodmayes, Essex. Also charged were his traffic manager, Allan George Stone, Stroud Crescent, Putney Vale; his pay clerk, Walter William Ling, Princess Road, West Croydon; and a former secretary of the company, Miss Jessica Rhodes, Bridge Street, Leighton Buzzard.

Mr. J. S. Toogood, defending, told the Common Serjeant, Sir Anthony Hawke, that the four were committed for trial on January 13 (The Commercial Motor, January 16), and there had been insufficient time for the defence to be prepared.

There were 10 counts on the indictment, including charges of conspiracy, a number of income tax frauds, and uttering forged documents. The prosecution had 60 exhibits, including income tax returns and P.A.Y.E. cards.

Mr. Neville Faulks, prosecuting, said the application was perfectly proper and he did not oppose it.

## M.P.S TOLD OF PARKING PROBLEMS IN FRANCE

THE number of vehicles on the road should not be allowed to increase at a fantastic rate without adequate parking facilities being provided, together with plenty of road room. This view was put forward last week by M. Pierre Bourlon, Paris traffic superintendent, when he addressed the House of Commons All Party Roads Group.

M. Bourlon, who is responsible for the operation of the Blue Zone method of parking in Paris, was brought to Britain as a guest of the Roads Campaign Council. He said France had found that the only solution to streets being choked with parked vehicles was limited parking regulations, plus enforcement.

French drivers were hostile towards parking taxation, but they had co-operated fully with the Blue Zone scheme, which was superintended by traffic wardens who had no power of arrest. The system was to be extended.

#### NEW TRAFFIC WARDENS-CASH PROBLEM ARISES

much-publicized proposal for recruiting a corps of traffic wardens in Nottingham has received a body-blow -from Nottingham itself. The Finance Committee have refused to pay for Capt. Althestan Popkess' scheme, although they have intimated that they would willingly do so if the police force is reduced by 30.

However, the Watch Committee are to press the matter with the Home Office, where a sympathetic hearing was given to the proposals outlined by Capt. Popkess. Meanwhile, the Finance Committee have decided to consider the idea again.

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#### C. and D. Vehicle Restricted to Fish

THERE were no objections from fish hauliers when Link Road Transport (Hull), Ltd., applied at Bridlington, last week, for a new B licence to cover a vehicle of 24 tons unladen for collection and delivery within six miles of Hull in connection with their A-licensed fleet.

Although the Yorkshire Licensing Authority, Maj. F. S. Eastwood, was told that the company's 19 vehicles were 80 to 90 per cent. engaged in fish traffic, road objections by Hunter's of Hull (Transport), Ltd., and other operators were confined to the collection and delivery of goods other than fish.

Mr. J. Finch, the company's manager, said there were regular nightly fish runs from Hull to Bristol and the South-West; London, Cheshire and South Lancashire; Liverpool and North Lancashire; and Middlesbrough, Darlington and South

The trunk vehicles were often delayed because of having to do their own collecting and delivering, he said. Customers were complaining and it was impossible to hire because of the danger of contamination.

Replying to Mr. J. Holdich, for the objectors, Mr. Finch said it would be uneconomic to hire out collection and delivery work other than for fish if they were granted a vehicle.

Questioned by Maj. Eastwood, he agreed that the company were using a vehicle of 2½ tons on long-distance work. The application was granted, but restricted to the carriage of fish.

#### PLASTICS CONTAINERS FOR RAIL SERVICES

SIX experimental plastics containers for door-to-door deliveries have been ordered by British Railways. Resinbonded glass fibre will be used for the sides, ends, floors and roofs of the units. and they will have mild steel bases and fittings to enable them to be lifted by cranes.

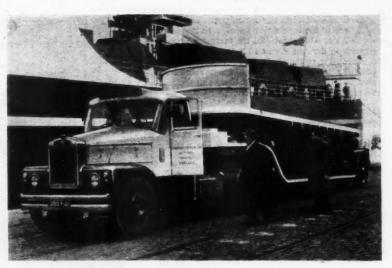
The unladen weight will be 1 ton and, with a capacity of 500 cu. ft., the payload will be up to 5 tons. One container will be put into use in each railway region to determine the suitability of plastics material for container construction.

They have been designed and will be made by Mickleover Transport, Ltd., Twyford Works, London, N.W.10.

#### ROAD-HEATING PROGRESS

SATISFACTORY progress has been made by the Road Research Laboratory into electrical heating of roads, Mr. H. Nicholls, Parliamentary Secretary to the Ministry of Works, stated last week. Advice was at the disposal of any local authority that wished to install electrical heating.

Plans were being considered for providing such heating during the reconstruction of The Mound, Edinburgh. circuits are thermostatically controlled in conjunction with a hydrostat. Current is switched on when road-surface temperature approaches feezing point, but not if the surface is dry.



The left-hand-drive Scammell Highwayman tractor, with its two semi-frailers, is seen on the dockside at Antwerp after unloading from m.s. Bardic Ferry, last week.

#### Big Scammell on Trial on the Continent

DESTINED for the Amsterdam Commercial Vehicle Show, a Scammell 28ULQ680S144 12-ft.-Highwayman wheelbase left-hand-drive tractive unit, with Leyland 0.680 oil engine, was shipped to Belgium last week on the m.s. Bardic Ferry

It was coupled to the first 15-18-ton drop-frame semi-trailer to have Scammell heavy-duty automatic coupling gear and air-operated support legs. A standard straight-frame tandem-axle platform semi-trailer was carried on the outfit. The platform semi-trailer was sent to Amsterdam with the tractor.

After the Show, the tractor will be engaged on demonstration and proving work in Belgium, principally for acceptance by the legal authorities of the Scammell coupling gear. To ensure interchangeability with standard semitrailers used on the Continent, the tractor has an S.A.E. adaptor plate which can be bolted over the Scammell automatic coupling equipment.

For use with S.A.E.-equipped semitrailers with two-line air-pressure brakes, additional palm couplings have been installed. This arrangement can be applied also to home-market tractors. [A fully illustrated report of the Amsterdam Show appears on pages 50-54.]

#### NO DELAY WITH TESTING SCHEME

THE Minister of Transport stated in the House of Commons last week that he did not think there would be any further delay in introducing a vehicle testing scheme. Up to February 3, 10,054 garages and 20 local authorities had sought appointment as testing stations.

He told Mr. D. Chapman (Soc., Northfield) that it might be some time before he could make another statement about an increase in the 30 m.p.h. speed limit for light goods vehicles.

#### And All Because of Half a Crown . . .

FOR many years two Somerset coach operators shared business between them, carrying miners to local pits. Then came the closure of one of the major collieries, and last week the two operators faced each other in the traffic court-one seeking a licence to carry the displaced miners to a new pit, and the other opposing him. And all because of half a crown.

Mr. A. W. Carter, High Littleton, had offered to take former Pensford Colliery men to the new Norton Hill Colliery for £4 15s. per five-day week, plus £1 10s. for Saturday mornings plus 5 per cent. Mr. P. J. Riggs, Clutton, Bristol, offered the same terms, except that his weekly quotation was £4 17s. 6d.

Mr. Carter was awarded the contract by the National Coal Board, and he asked the Western Traffic Commissioners last week for an express licence to carry miners from Marksbury. On his behalf, Mr. J. A. Cox, said both operators had approached the N.C.B., but because they could not reach agreement it was agreed that they should tender.

Mr. T. D. Corpe, for Mr. Riggs. wondered if it was right for a man who had served the N.C.B. well for a number of years to be treated in such a way. Replied Mr. D. G. Cottle, N.C.B. transport manager at Radstock: "Officials cannot afford to be sentimental." The Board, who supported the application, proposed to subsidize the suggested service, although the men would pay fares.

Mr. S. W. Nelson, chairman, said operators should be paid so that they did not have to struggle for the last halfpenny. In this case there was only 2s. 6d. between the men's tenders, so Mr. Carter would be granted a short-term licence for one month to enable agreement to be reached, or to give Mr. Riggs time to make his own application for the service.

CCORDING to the latest figures, Bedford is one of the four major towns in England and Wales which have had the most rapid rise in population during the past 10 years, and this trend is expected to continue. Several new factories have been built, whilst the local brickworks have attracted a large number of foreigners to the area who have now settled down there.

Bedford's first bus service was started before 1914 by the Bedford Motor Bus Company, but there have been many changes over the years and now the major operators are the United Counties Omnibus Co., Ltd. Before the war the Eastern National Omnibus Co., Ltd., had a big

stake in the area, extending their scope by buying out several small operators. They were still expanding, particularly on town services, when their routes were transferred to United Counties in 1952.

From the days of the Bedford Motor Omnibus Company right up to the end of the last war there was only one town service in Bedford-it stretched from

Wendover Drive, on the Cambridge side of the town, through the town centre, and out to Kingston. However, at the end of the war Eastern National began remedying matters and inaugurated another service which passed through the town centre. This one started at Stanley Street, beside Bedford Park, took in the Midland Road Station, and finished at Kempston.



# Bus Services are With a Gr



Mecca of the tourists who visit Bedford, John Bunyan's town,

is this statue of the

writer at a busy junc-

tion on many United

Counties' routes. The

Leyland double-

decker is bound for

Keysoe. It is a PD1 53-seater, due to be replaced this year.

Although United Counties have smart headquarters in Bedford, the adjoining bus station, used exclusively by their vehicles, is cramped. However, the corporation are building a new station to relieve congestion. In this picture, a 41-seat Bristol LS is seen departing for St. Neots.

Further developments took place in 1947 with the building of a large housing estate in the London Road area, on the south side of the town. Eastern National were operating a service connecting the Elstow and Clapham districts, lying south and north of Bedford, so they were able to divert this to serve the new estate.

The same route was extended at its northern end to the Royal Aircraft Establishment, a large experimental base which has attracted many people to the area. But it was soon evident that these moves could not cater adequately for the demand, so two new services were intro-

One of them was a circular route, starting and finishing at the Midland Road Railway Station. From the station it ran

through the town centre and out to the London Road Estate, making a wide sweep there to return on a parallel route back to the town centre and so to the station again. The second service catered for the new Putnoe Estate in the north, running down through the town to

When United Counties took over, they were soon faced with the same difficulty of meeting the needs of an ever-growing population. Big housing projects were rapidly being completed which meant that new services had to be introduced, and now the people of Bedford have eight town services from which to choose.

In the south-west, Queen's Park area has been developed, and at Clapham the population has risen so quickly that two

services are now operated. Services to Putnoe Estate have also been revisedone cuts across Bedford to Cardington Camp in the south-east, whilst another runs along the main street and out to London Road Estate.

Now that much of the building area in and around the town has been occupied, it should be possible to consolidate these eight services, which have, until recently, lived rather a chequered life. Developments are taking place in the Kimbolton Road area, but slight variations to the Putnoe services should meet all requirements there.

Bedford's out-of-town services have remained basically the same for a number of years, with the exception of the Bedford-Northampton and Bedford-Cambridge links, which have now been combined into one route. The original Cambridge service was unusual in that it was the only one to start from Midland Road Railway Station, a considerable distance from the bus station. With the service, the extra mileage through involved has been eliminated, as buses from Northampton pass the railway station on their way out to Cambridge.

Apart from United Counties there are still a few other operators providing facilities for residents in the surrounding country districts. Birch Bros., Ltd., cover a wide area in the county, but they have mainly concentrated on Luton. Their routes affecting Bedford are confined to a local service connecting the town with Harrold and some neighbouring villages. together with a regular run between Rushden and London.

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East of Bedford is Turvey, the base of Bailey Bros., who connect the town with Lavendon on Wednesday, Thursday and Saturday. In the north is Keysoe, and from there G. Woolston and Sons run into Cambridge on Tuesday, Wednesday and Saturday-they have a fleet of five brown and cream coaches, four of them Bedfords.

The blue buses operated by Premier Travel, Ltd., Cambridge, are also seen in

Horseshoe Coaches, Ltd., London, have a base at Bedford from which they operate to Ridgemont for the Marston Valley Brick Co., Ltd. Workers at the Unilever plant in Sharnbrook are provided with transport by Ouse Valley Coaches, who now have a new garage for their vehicles just off Goldington Road. Ouse Valley also hold school contracts, and cater for private hire requirements.

The London Brick Co., Ltd., also pro-

vide facilities for their workers, but they have equipped themselves with two double-deckers for the task-both of them RT-type vehicles acquired from L'ondon Transport.

To meet the growing needs of the town, the corporation are building a new bus station behind Midland Road, close to the main shopping centre. This will relieve congestion at United Counties' station in Broadway, and will possibly accommodate Birch Bros.' services,

which now terminate nearby in St. Peter's Street.

Congestion plays a major part in reducing the average speed of town services, and the position is not helped by the fact that United Counties' garage is at the opposite end of the town to their bus station. This garage houses their entire Bedford area fleet, providing covered accommodation for nearly 100 vehicles, and there is a large open space at the side for expansion.

Most of their vehicles are



# are Keeping Pace **Growing Town**

New Housing Estates on Every Side Mean Bedford is Best Served by Cross-town Routes

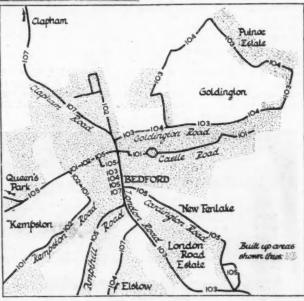
By D. R. MacGregor, B.Sc.(Econ.)

Bedford, as Premier run a regular service into the town from Huntingdon and St. Neots. On the express route between Cambridge and Oxford, which passes through Bedford, Premier work jointly with Percival's Motors (Cambridge), Ltd. This service was originally started to cater for undergraduates travelling between the two university cities.

Wallace Arnold Tours, Ltd., pick up at St. Peter's Church on their extended tours to Scotland and, in the express field, Associated Motorways take in Bedford on their service linking Cheltenham, Cambridge and Norwich.

With so much industry in and around the town, good works services are an essential feature.

(Top) This United Counties 39-seat Bristol LW5G is a rearentrance bus serving one of Bedford's new estates. (Right) Some idea of the way Bedford is served by through routes can be obtained from this map. (Below) Seen in the shopping centre on Putnoe Estate is a United Counties Bristol Lodekka 60-seater





Bristols, although there are a few Leyland PD1A Titans which were bought by Eastern National in 1947. One of these has a Gardner engine.

Birch Bros. have no depot in the town and have to keep their vehicles at Rushden or Henlow. On their London route they operate a fleet of Leyland and Guy double-deckers, but all their recent coaches have been A.E.C.s, two of them Park-Royalbodied Reliances for one-man operation.

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#### New Equipment and Publications

# Running Over Mud

CAPABLE of supporting loads of up to 10 tons when laid flat on soft ground or sand or, when suitably staked, of carrying a 3-ton lorry across a culvert, Trakmat sections have

been produced by Bracketing, Centering and Lathing, Ltd., Central Avenue, West

Molesey, Surrey.

It is primarily intended for use on muddy ground so that vehicles can be given means for access to building sites, quarries and the like. Chestnut pales are sandwiched between two layers of hightensile steel mesh, and an incidental advantage is that the sections have a scraping effect on the tyres of vehicles and remove much of the mud that they would otherwise carry on to the hard

Trakmat is available in two sizes, 7 ft. by 3 ft. and 12 ft. by 7 ft., the cost being £1 10s. per sq. yd. Individual sections are quickly joined by S-shaped steel clips, and gaps can be prevented by arranging the upper sheets so that they overlap the

#### 4-ton Tractor

BATTERY-ELECTRIC tractor with A a capacity of 4 tons has been intro-duced by Wessex Industries (Poole), Ltd., West Street, Poole, Dorset. Known as the Wrigley E733, it has an Exide Ironclad 166 amp.-hr. battery and an S.E.M. 2.3 h.p. motor. The accelerator

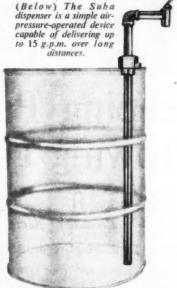
Trakmat, made of steel mesh and chestnut pales, allows vehicles to be driven over otherwise impassable soggy or loose ground.

tion of frost or dew upon the windscreen. and its effectiveness has been proved by The Commercial Motor, although it was found advisable to moisten the suckers and press them firmly on to a clean area of screen to ensure their adherence.

The Anti-Jacksie is made by Messrs. Agnew and Mann, 304 High Street, Glasgow, C.4. The standard size is adequate for most 8-10-cwt. vans, but although a little small for them can be valuably applied to larger vehicles.

#### Drum Dispenser

SIMPLE drum dispenser which A operates from air pressure is being offered at £7 10s. by Suba Hydraulics, 142 Carshalton Road, Sutton, Surrey. It is capable of delivery of up to 15 g.p.m.



(Left) During the recent cold weather, the Anti-Jacksie effectively kept the windscreen of this van clear after night frosts. The material is hung on hooks attached to rubber pads.

The Wrigley E733 4-ton tractor is a



pedal operates a five-step speed controller which, in conjunction with magnetic contactor and heavy-duty resistance, pro-vides smooth starting, inching and speed control. Pneumatic tyres are standard but solid or cushion rubber tyres may be fitted.

#### Frost Barrier

SENSIBLY priced at 7s. 6d., a good deal cheaper than comparable products, the Anti-Jacksie window protector is a piece of yellow plastics sheet which can be attached to the glass by means of rubber suckers. These have wire hooks on which eyelets in the fabric may be

Use of the sheet prevents the forma-



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and consists of a steel riser pipe with an aluminium valve body, an air regulator and barrel adapter.

After the cap of a drum has been opened, the dispenser is screwed in and connected to an air supply. A continuous supply of air is not required as, once charged, pressure may be maintained for some time. The air control valve ensures that the storage vessel is not subjected to more than 5 p.s.i. There is also an excesspressure safety valve.

The apparatus is said to be able to deliver liquids without fluctuation or pulsing, and can be used to dispense over long factory lines.

#### Conveyors Priced

CONTAINING details of their gravity roller conveyors for loads of from 10-320 lb. per roller, a leaflet issued by Rendale Handling, Ltd., 5 Great Hampton Street, Birmingham, 18, includes prices among the information given.

#### Polyester Dough

A RAPID-CURING glass-fibre and mineral-filled polyester-dough moulding material has been evolved by Bakelite, Ltd., 12-18 Grosvenor Gardens, London, S.W.1. It is stated that mouldings can be made from Alkyd DX.18927, as the material is known, at lower cost than from conventional alkyd or phenolic glass-fibre-reinforced materials.

Possible applications are stated to be for switchgear and other electric components, battery trays, tool handles and cases. Electrical properties are well maintained under humid conditions. Curing of a moulding  $\frac{1}{2}$  in. thick at 150° C. requires 1 min. and  $\frac{1}{2}$  in. thick 5 min.

#### Conversions Card

A USEFUL card which may be clipped to a sun visor has been produced for the benefit of drivers travelling to the Continent, by Trico-Folberth, Ltd., Great West Road, Brentford, Middx. It gives metric equivalents in respect of distance, liquid measure and fuel consumption on one side, and on the other a currency conversion chart. Tyre pressures are also given in p.s.i. and kg. per sq. cm., and the disposition of various radio stations and their wavelengths is depicted. The card is issued free.

#### Armoured Floors

ENABLING a tough surface to be laid down for the use of heavy works trucks, for example, Decksmetal is a reasonably priced steel armour for use with mastic-asphalt or rubber-compound floorings. It is made by Causeway Reinforcements, Ltd., 66 Victoria Street. London, S.W.1, in 4-ft. strips which can be arranged continuously by means of the tongues and slots which are provided.

The mesh is provided in 14-gauge material 1 in. deep, and each cell measures 3 in. It is treated with a bitumen compound before dispatch to ensure easy adhesion to asphalt.

#### Battery Intercom

AN internal communications system incorporating transistors, and which is claimed to be able to be run for a year on two small dry batteries, has been introduced by Centrum Electronics, Ltd., 37 South Road, Southall, Middx. The master control has a selection of switches for the different sub-stations, which have two-way switches so that reception and transmission are possible.

There are two types of loudspeaker, one being attractively styled in a box and intended chiefly for showrooms and the other a circular unit of conventional pattern.

#### Creamy Cleanser

Having the consistency of a smooth cream, Maxwell hand cleanser is being marketed by the Liverpool Borax Co., Ltd., St. Pauls Square, Liverpool, 3. It is sold in quantities of 28 lb., 56 lb. and 112 lb. at an average price of 1s. 6d. per lb., and for smaller users it is to be supplied in handy tins. A sample tested by The Commercial Motor was quickly effective and needed to be used only sparingly.

# 500 cu. ft. of Space in Compact Van

A HANDY forward-control van version of the Bedford TJ normal-control 25-cwt., 35-cwt. and 3-ton models has been produced by H.C.B. Engineering, Ltd., Totton, Southampton. It is known as the Univan and has a capacity of 500 cu. ft. It

has been designed basically as a light parcels-delivery van, but can be adapted for use as, for instance, a mobile shop, workshop or library. The prototype, inspected by *The Commercial Motor* last Friday, is based on a 35-cwt, oil-engined chassis.

Forward control increases the body length by 3 ft. 10 in. to 12 ft. 4 in. inside. The internal width and height are both 6 ft. 6 in. The use of 16-in. wheels (which are standard on Bedford TJ models of up to 4-ton capacity) reduces the loading height at the rear to 2 ft. 8 in. unladen. Overall dimensions of the vehicle are: Length, 17 ft. 8 in.; width, 6 ft. 10 in.; height (unladen), 9 ft. 2 in. With a wheelbase of 9 ft. 11 in. the turning circle is 39 ft.

In the basic model there is no bulkhead behind the driver, but one can be supplied. Roller shutters can be installed in place of the usual double rear doors, which provide a loading aperture 6 ft. wide and can be fastened back against the body sides.

Double hinged side doors, to permit

The H.C.B. Univan, based on a forward-control version of the Bedford TJ 35-cwt. chassis. The loading height is low and the cab is easy to enter.



two- or three-way loading, are other extras. Translucent panels can also be fitted in the roof, and a loading space 4 ft. 3 in. long, 1 ft. 10 in. high, and 6 ft. 6 in. wide can be arranged above the driver's head. Other variations can also be made.

The cab has external sliding doors with sliding windows, and access is made easy by an outside recessed step on each side, ahead of the front axle, and only 1 ft. 4 in. from the ground. The height from this step to the cab floor is 1 ft. 2 in.

The driver can walk round the seat to reach the load or the near-side door. Instruments are neatly grouped in front of him and two quickly detachable glassifibre bonnet panels make the engine easily accessible. A windscreen 2 ft. 2 in. deep

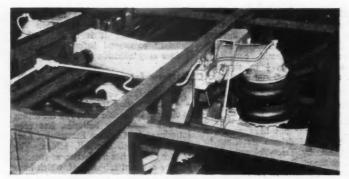
ensures good forward vision to within 6 ft, of the stout front bumper.

Apart from square-top wheel-arches, the floor is unobstructed. The body consists of 22-gauge steel panelling on wooden framework.

With the Bedford 200-cu.-in. oil engine, the standard model of the 35-cwt. Univan weighs about 2 tons 3½ cwt. unladen, and with the 214-cu.-in. petrol engine, approximately 2 tons 1½ cwt. The conversion costs £135 and the body £310.

In addition, conversions to forward control are available for the whole TJ range up to 7-ton capacity. The cost of a stage 1 conversion, which is supplied with the radiator mounted on a bulkhead, is £105, and of a stage 2 job, which includes scuttle and windscreen, £135.

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(Lefi) The front suspension of the Magirus-Deutz OS 5506 H rearengined bus chassis consists of transwerse swinging arms and Continental air bellows, the arms overlapping at their inner ends. (Right) The rear suspension of the same chassis has four bellows, asle location being by two radius arms and a two-leaf longitudinal spring.



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# DUTCH WELCOME AIR-SPRING NOVELTIES

EVER since the 1957 Frankfurt Show, air suspension has been the chief talking point at most European commercial-vehicle exhibitions, including, of course, last year's London Show. The 40th R.A.I. Show, which opened in Amsterdam last Friday and closes next Sunday, reveals a greater number of different suspension layouts than has probably ever been gathered under one roof. Air-suspension systems from Germany, Great Britain, Holland and Italy provide numerous contrasts in design, ranging from simple semi-trailer installations to strangely complex bus-chassis applications.

There is widespread enthusiasm among Dutch goods and passenger-vehicle operators for air suspension, so this Show gives plenty of encouragement for them, but the general feeling is that caution must be exercised at this stage, as many of the systems are undoubtedly untried experimental layouts which could prove unsatisfactory and unreliable. Nevertheless, semi-trailers with air suspension have already been sold in Holland in appreciable numbers, and are proving successful in many instances, leads having been established by D.A.F.—who exhibited an air-spring trailer at Frankfurt in 1957—and Netam, who have developed a conversion system for passenger vehicles also.

This year's R.A.I. Show is expected to be the last in the present six-acre building, work having commenced on a larger establishment a little farther from the centre of Amsterdam. Of the 185 entries from 10 different countries, Britain and Germany head the non-Dutch vehicle exhibits, each being represented by 17 makes, with the U.S.A. having eight makes, France four, Eastern Germany three, Sweden two, and Italy, Austria and Switzerland one each. All told, there are 76 chassis, body and trailer makers represented, backed up by about 100 accessory and garage-equipment exhibitors.

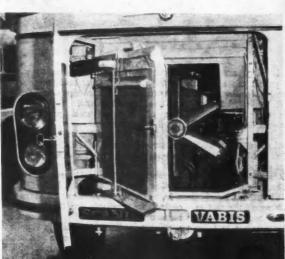
The growing importance of the R.A.I. commercial-vehicle exhibition is accentuated again by the absence of

The growing importance of the R.A.I. commercialvehicle exhibition is accentuated again by the absence of a Brussels Show, this normally being the first Show in each year This, combined with the natural attraction of the Dutch markets for all European makers (stimulated by thoughts of a free-trade area) makes the Dutch Show

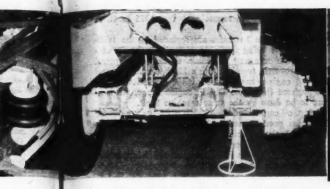
(Above) A Leyland Tiger Cub chassis forms the basis of this I

(Above) A Leyland Tiger Cub chassis forms the basis of this Roset 3 coach, the body style being known as Bella Vista. The dual headland be noted, this being a prevelent feature of current Dutch coach

(Left) This Beers forward-control conversion on a Scania-Vabis goods chassis has hinged radiator and grille panel to give rapid access to the front of the engine and the steering gear. The engine is a new 165 b.h.p. sixcylindered unit.

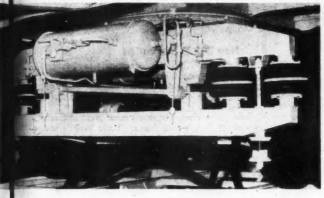


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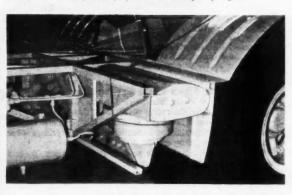
(shove) The air suspension system of the Burg tandem-axle semihaller has a conventional layout, with General Tire and Rubber air fillows. No dampers are fitted, however, and stability and roll reistance are provided by electrically actuated compensation valves.

(Above) General Tire and Rubber diaphragm-type air springs are featured on this Burg four-wheeled drawbar trailer. The axles are carried on rubber-bushed radius arms, the springs being behind the axles, and working with telescopic dampers and rubber helper springs.



Four Continental bellows-type air springs are used at each axle of the fur-wheeled trailer. The springs act on a transverse beam to which are the rear ends of the radius rods carrying the axle beam. Two levelling whee, two dampers and one Panhard rod are employed at each axle.

Amsterdam Commercial-vehicle Show Reveals Many Varied Air-suspension Layouts: New Models Shown by Several Manufacturers: Verheul Enter Goods



(Above) The M.A.N. 760 UOC 1 bus chassis has air suspension at front and rear. The diaphragm-type springs at the rear have large surge tanks to lower the spring frequency. (Below) The B.S.A. turbo-blower on the D.A.F. DS 575 oil engine effects a power increase of 37.5 per cent.



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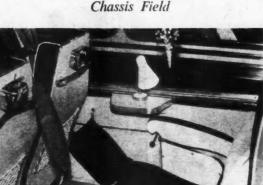
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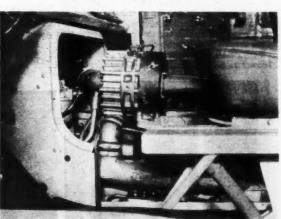
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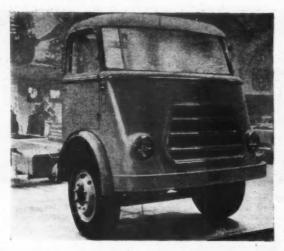


A König Riviera 41-seat coach based on a Scania-Vabis forwardengined chassis has individually adjustable seats and small sidetables carrying adjustable reading lights. Plastics-faced trim panels are employed.



one of the most important exhibitions regularly held in Europe, the international flavour being more pronounced than at any of the other Shows. Over 102,000 people visited the last R.A.I. Show in 1957, and an even greater number is expected this year.

Despite the attraction provided by the air-suspension novelties, there is a great deal of interest in the more conventional exhibits, and a large number of the chassis shown has not been displayed in Holland previously. Of the British exhibits, all were seen in London last year other than a few specialized export models, these including



A new front grille is featured on the latest D.A.F. forwardcontrol cab, this particular example being on a 1600-series 8-tonner. This chassis supersedes the former 1500-series 7-ton range, and is available with either the D.A.F. built Leyland O.350 oil engine or a new D.A.F. 155 b.h.p. petrol engine.

a normal-control Albion Reiver six-wheeled goods chassis; a Guy Warrior with Invincible Mark II cab, A.E.C. oil engine and a gross-train-weight rating of 25 tons; Austin and Morris 5- and 7-ton chassis rated for 6- and 8-ton payloads respectively; and a long-wheelbase Scammell 25-ton prime-mover with automatic coupling gear.

New Dutch exhibits include several D.A.F. chassis, trailers and engines; two Verheul goods chassis which result from the amalgamation of this body concern with the Kromhout chassis makers; Van Twist chassis assembled from Seddon components, some of which have Brockhouse automatic transmission; and a widely varied assortment of trailers, many with air suspension.

The D.A.F. concern is making great technical advances, and that this policy is paying off is shown by the sales figures for last month, D.A.F. sales accounting for 32 per cent. of the Dutch market, with Bedford second at 12 per cent.

An important innovation affecting the D.A.F. heavy-vehicle range is the introduction of the 1800 series of four-wheelers, developed principally for tractor use at 28 tons gross. The 1800 models have a turbo-charged version of the Leyland 0.350 oil engine which D.A.F. build under licence. The B.S.A. turbo-blower raises the gross power output from 120 b.h.p. to 165

b.h.p. at 2,400 r.p.m. and the torque peak from 275 lb.-ft. to 348 lb.-ft.

The D.A.F. 1500-series 7-tonners are replaced by the 1600-series 8-tonners, these being available with either the D.A.F.-built Leyland engine or a new 155 b.h.p. six-cylindered petrol engine. This petrol unit, together with a 135 b.h.p. version and a 100 b.h.p. oil engine, has a bore of 100.6 mm., which is standard throughout the whole D.A.F. engine range, allowing manufacture to be done by the same machine tools.

The 100 b.h.p. oil engine and the 135 b.h.p. engine are offered in the 1300-series goods chassis, which are rated at 10 tons gross weight, and the 13-series normal-control 9½-ton-gross models. The previous versions of these chassis had either the Perkins P6 oil engine or the Hercules JXC 102 b.h.p. petrol engine, these two units now having been dropped by D.A.F.

Although two air-suspension systems are used on D.A.F. trailers, conventional suspension is retained on all their powered chassis, but this has been subject to recent modifications. The changes include the use of rubber inserts at the ends of the spring leaves, greasing points for dirt exclusion at the sliding end of the springs, and rubber pads at the helper-spring brackets. A multi-pull hand brake has been introduced, and cab modifications include the use of a new front grille and a hinged switch panel on the dashboard which gives quick access to the fuses and wiring.

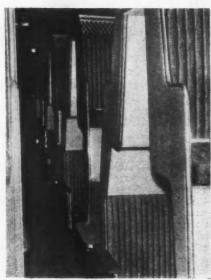
#### New D.A.F. Suspension

The D.A.F. trailer exhibits include a single-axle semi-trailer with independent air suspension, using General Tire and Rubber air pillows and anti-roll triangulated trailing arms in a similar layout to that employed on the tandem-axle suspension introduced 18 months ago.

The new Verheul goods chassis have attracted great interest, particularly in view of their stylish looks. These models are assembled by Verheul from Kromhout units and the range consists of normal-, semi-forward- and forward-control four-wheelers and semi-forward- and forward-control six-wheelers, gross ratings ranging from 25 to 38 tons in the case of tractor models, with payloads of 7½ to 15 tons for the load carriers.

All the new chassis are powered by the Kromhout 140 b.h.p. oil engine, and six-speed gearboxes are fitted. The chassis specifications generally follow conventional lines, but the cabs are of interest, the same basic cab being used on all chassis types, in the manner of the Guy Invincible Mark II cab. In all applications the cabs are mounted high to give a level floor and small engine cowl, but this does nothing to assist access from ground level! Whatever their practicability, however, the cabs are certainly smart, as might be expected of a long-established passenger-bodywork concern.

(Continued on page 53)





(Left) The Z.A.B.O. 74-seat 1½-decker, based on a Scania-Vabis chassis, was built for works transport in Rotterdam. (Above) D.A.F. leaf-springs now incorporate rubber end inserts and rubber-faced helper-spring brackets. (Right) This air-spring assembly was developed by Netam for Verheul. It can replace a steel-spring layout.



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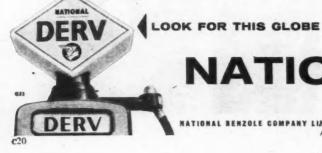
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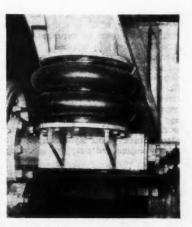
MATIONAL BENZOLE COMPANY LIMITED, MERCURY HOUSE, 195 KNIGHTSBRIDGE, LONDON, S.W.7

Agents for the Dominion Motor Spirit Co. Ltd.

, 1959



(Left) This Netam concrete agitator. based on a Henschel chassis, has a hydrostatic drum - drive layout, the Saalmann pump being driven off the front of the motive engine. (Right) This Netam Jour-wheeled trailer has independent airsuspension. Contin-ental bellows are used. (Below) Good battery access is given by this Scania-Vabis layout, developed for passenger chassis. The carriers swing outwards to clear the body.



Another new Verheul model is the Panorama VB59 coach, notable for its modern lines and generous glazing. Various body styles are offered, ranging from 48-seaters to 40-seaters with bar and toilet. Thus bodies can be mounted on most types of chassis or a coach can be supplied with integral construction. A novel touch is that the windscreen and rear-window glasses are interchangeable, so that in the event of a broken windscreen a rear window could be installed as a makeshift.

Austin 3-ton forward-control chassis form the basis of two further new Verheul projects, a 23-passenger bus and a 640-cu.-ft. van being offered by the Austin agents, R. S. Stokvis and Zonen N.V., Rotterdam, as standard models.

An air-suspension system is shown on the Verheul stand, this having been developed by Netam as a conversion unit for leaf-spring chassis. The front spring-hanger brackets are retained to form the pivot points for fabricated trailing arms, which consist of short leaf springs clamped to cranked arms. At the rear ends of these arms are Continental double-convolution bellows, above which are located the surge tanks. This conversion looks a particularly simple method of applying air suspension to existing vehicles.

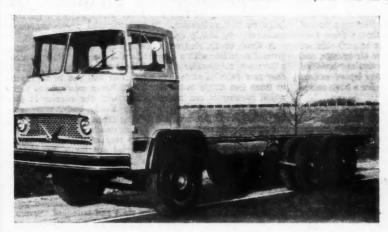
Although the merger between Verheul and Kromhout virtually means that the name Kromhout will disappear from vehicles, a normal-control Kromhout tractor is exhibited on the Verheul stand. The disappearance of this name is compensated, however, by the appearance of a new one—A.S. This is on a six-wheeled forward-control chassis built by Schmidt's Auto- and Motorhandel, Amsterdam, who are Cummins agents. The new vehicle is made up from a used chassis in which has been installed a Cummins N.H.-180 180 b.h.p. oil engine.

Considerable ingenuity is to be seen on the stands of the Dutch trailer and equipment manufacturers, although most of the novelty is centred on air suspension. Several manufacturers—Broshuis, Burg, Pacton and Zwalve—show tandem-

axle semi-trailer installations using General Tire and Rubber air pillows and the General system of axle location, as used by several British companies.

This type of installation, however, is not popular with some Dutch operators because of its comparative lack of roll resistance, an important consideration in the case of tanker trailers, and to overcome this defect Burg have modified the system by incorporating an electrically controlled series of compensation valves which ensure that any tendency for the trailer to tilt is immediately corrected by raising the air pressure on the lower side. This Burg trailer has no dampers, which suggests that the electrical compensation can give a damping effect also.

General air pillows are also used by Netam (in addition to D.A.F., whose systems have already been described), and the Netam installation is interesting in that it has self-steering axles. Although the resulting system is somewhat complicated compared with the normal General layouts, close inspection



The new Verheul goods-vehicle range, which uses Kromhout units, includes this forward-control six-wheeler. Other models are forward-control four-wheelers and semi-forward-control four- and six-wheelers. The six-wheelers have a gross-train-weight rating of 38 tons.

reveals that it is more simple than initial impressions imply. Netam have found it necessary to offer this steering axle arrangement because their normal steelspring trailer bogies also have steering axles, and the installation allows sideways movement of just over 3 in, at each axle.

To do this, Netam mount the General air pillows inside two deep channel-section pressings, and below the pillows at each side there are light leaf springs which provide the necessary lateral location whilst still giving the self-steering

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effect. The roll problem is catered for by the provision of a pendulum valve, which is stated to give satisfactory roll compensation as shown by experience with trailers of this type

which are already in service.

There are several trailers equipped with Continental bellowstype air springs, including a Netam four-wheeled model with independent suspension employing a system of trailing arms with the bellows behind the wheels. Another important Netam development is the use of German Saalmann hydrostatic drive equipment on a Henschel concrete agitator, the Saalmann pump being driven off the front of the engine crankshaft, whence the fluid is piped to a hydraulic motor situated under the agitator drum. This layout dispenses with the need for an auxiliary engine and simplifies mounting to varying types of chassis.

Continental bellows are employed on a Zwalve four-wheeled trailer also, but in this case there are four bellows per axle, these acting on a floating cross-beam to which are pivoted the rear ends of I-section trailing arms on which the axles are trunnion-mounted. This installation should give good anti-roll stability as it enables the pairs of bellows to be located directly behind the wheels. Lateral location is provided by Panhard

General Tire and Rubber diaphragm springs appear on a Burg four-wheeled trailer, the only instance of the use of this type of air spring on a trailer. As with the Netam layout, the springs are mounted at the rear of trailing radius arms with the axles immediately ahead of them. A Pacton fourwheeled trailer is shown with Dunlop air springs, a trailing-arm layout being used.

Whilst it is obvious that concerns like Netam have devoted considerable time and energy to the development of airsuspension systems, Netam themselves have another string to their bow in the shape of the French Coder progressive rubber suspension which was introduced for the Paris Show last October. This is being made by Netam under licence.

Of the German exhibits, the two most interesting models are the Magirus-Deutz and M.A.N. passenger chassis, both of which have somewhat complicated "open-type" tubular chassis frames and air suspension. The M.A.N. bus, which was seen in prototype form in Frankfurt in 1957, uses Continental diaphragm-type springs, the independent front suspension layout being similar to that of the Guy Victory air-sprung disc-braked chassis, which is also on display. rear suspension consists of radius arms, approximately 10 ft. long, with diaphragm units behind the axle, and to lower the frequency each rear spring has a large surge tank directly above it. This M.A.N. 760UOC1 chassis, generally, looks extremely complicated, and servicing might prove awkward, but despite this nine have already been ordered by a Dutch operator and there are many in use in Germany.

**Unusual Front Suspension** 

The Magirus-Deutz OS-5506H chassis, which has a Deutz V6 125 b.h.p. air-cooled oil engine mounted at the rear and is intended primarily for integral construction, also features independent front suspension, the system employed being more than a little unusual.

The front wheels are carried on the outer ends of transverse swinging arms which are crossed, so that the pivoting points of each arm lie on the opposite side of the chassis from their respective wheels. Outrigged from the frame at each side are brackets which carry Continental bellows-type air springs, and fore-and-aft location and braking-torque reaction are provided by forked radius arms. The use of the crossover layout ensures maximum possible length of swinging arm to give a large radius of movement when the wheels are deflected.

At the rear there are four Continental bellows, one ahead of and one behind the axle at each side. The axle itself is carried on tubular longitudinal members, at the ends of which are the bellows, and torque reaction is provided by two light radius rods below the axle and a two-leaf longitudinal spring running across the top of the axle. This leaf spring additionally provides a measure of lateral location. About 90 of these Magirus-

Deutz buses are in operation in Hamburg.

Another new German exhibit is the Hanomag Kurier forwardcontrol 2-tonner. The chassis layout of the Kurier is reminiscent of the Thames and B.M.C. forward-control light vans, in that the engine and radiator are set back in the chassis

frame to lie behind the centre line of the front wheels. Being a bigger vehicle, however, good use of this is made by providing a third seat over the engine cover and a clear floor from door to door, the gearchange being on the steering column.

Another interesting light German vehicle is a special version of the Volkswagen carried out by Pon's Automobielhandel N.V., Amersfoort. The conversion has resulted in a large-capacity van primarily for bread and biscuit delivery, and the wheelbase has been increased to 11 ft. 2 in., enabling a 320-cu.-ft. body to be mounted, as opposed to the 170-cu.-ft. body fitted as standard.

On the Ford stand there is the first presentation of a new German Ford van based on the Taunus 17M estate car. This is a particularly attractive vehicle, rated for a payload of ½ ton, and the power unit is a 1.698-litre 67 b.h.p. petrol engine which drives through a three-speed synchromesh gearbox. The van body follows typical American lines of having a steeply raked

Swedish vehicles are particularly popular in Holland, and the two main Swedish manufacturers-Scania-Vabis and Volvo -have large stands. The principal Scania-Vabis exhibits are the new L.75 models which, like their predecessors, are normalcontrol vehicles but have a new 10.26-litre six-cylindered directinjection oil engine which develops 165 b.h.p. at 2,200 r.p.m.

The L.75 range includes four- and six-wheeled prime mover and tractors and was briefly dealt with in The Commercial Motor dated January 2, 1959. The standard Scania-Vabis cab itself is little changed, but is extremely popular in Holland because of the degree of comfort it gives, particularly in cold

Scania-Vabis are fortunate in having extremely lively Dutch distributors—Adr. Beers, N.V., Rijswijk—and they have done several conversions of the L.75 chassis to forward-control, normally fitting de Graaf cabs. When formulating this conversion it was originally Beers' intention to try to fit a tilt cab, Mr. Beers himself having built a tilt cab well before the war, in advance of any of the American designs. This was ruled out because of the price and possible complications, but good access to the engine has been achieved by mounting the radiator on vertical hinges, so that by releasing a budget lock the whole radiator can be swung to one side without disconnecting any

#### New Differential Lock

The Beers' stand features several of the running units from the Scania-Vabis range, including an air operated differential lock which can be fitted in any of the Scania-Vabis single-or double-reduction axles. The 6 x 4 chassis exhibit, in fact, has this differential lock in both its axles and in the third differential so that under very bad conditions the drive to all four wheels can be locked.

The standard of bodywork to be seen among the bus and coach exhibits is, if anything, of an even higher standard than is normally to be seen at the Dutch Show. Styling is generally restrained without being too plain and the interior finishes are particularly luxurious. Typical of this is the latest König Riviera coach, an example of which is seen on a Scania-Vabis front-engined chassis. This 41-seater has individually adjustable seats, and passengers in the seats next to the windows have the added luxury of little side-tables each carrying a reading lamp on a flexible stem. Plastics trimmed panels are used extensively by König and most of the other bodybuilders.

A Roset coach, also on a Scania-Vabis chassis, has a high general floor line with a drop section at the rear which houses a lavatory, refrigerator and additional luggage capacity. The four rear pairs of seats face each other and can be arranged to form two single beds. Each seat has a microphone with which passengers can make contact with the courier at the front of the coach. As with the König body, there are individual reading lamps, and folding tables are fitted.

Features common to many Dutch coaches are the use of paired headlamp layouts and deep rear windows. In many cases the rear roof panels are carried out for a few inches over these windows to form a slight peak, styling also to be seen on modern Italian private cars, whence the idea was probably taken.

Goods bodywork also is showing increased signs of the use of plastics, and one of the Pacton trailers is exhibited with Blipol colour-impregnated plastics sides and tailboard. Several of the refrigerated vans have plastics interior panels.

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#### Bird's Eye View

# Back to School

By The Hawk

MR. JOHN BARBER is now a school master mariner.

Apparently he still has some surplus energy left after functioning as a director of Victory Transport, Ltd., and Southampton Football Club, as chairman of Southampton Subarea of the Road Haulage Association, a member of the R.H.A. national executive committee and national council, a pillar of Southampton Chamber of Commerce, rotarian and peacock fancier, so he has acquired an interest in a private school. I was sorry, when I met him at the Southampton Sub-area dinner last Friday, to find he had not topped his tails with a mortarboard.

In future, any of Mr. Barber's drivers who exceeds his 11-hour stint may expect to have to write out Section 19 a hundred times in copperplate, or take six of the best with a half-shaft.

#### Specialized Service

HIS co-director of Victory Transport, Mr. C. G. Wise, told me that distribution from store (a side of the business for which he is responsible) had grown so much that they had had to erect another 18,000 sq. ft. warehouse on the splendid country estate at Rownhams where the company are quartered. This expansion has been accompanied by the need for new stock-control systems for customers, which Mr. Wise has spent many hours in devising.

Wholesalers are now following the example of retailers in cutting down their stocks and demanding more frequent deliveries of smaller quantities from manufacturers. The result is that their premises are sometimes so congested with vehicles that a Victory driver may have to wait half a day to collect a 5-ton

#### Good for the Soul

DID I hear Mr. R. N. Ingram, national chairman of the R.H.A., in his speech at the Southampton Sub-area dinner, admit that members had criticized the delay in launching the

Association's publicity scheme? The lack of urgency in the campaign is matched only by members' reluctance to pay up.

THE Romans had some pleasant customs. One was to make a human sacrifice when the ridge pole was fixed on the roof of a new building. The squeamish Anglo-Saxons substituted a green bough for a corpse, and later an opportunist added a noggin of ale to the festivities.

The "topping out" ceremony was revived when the last skip of concrete was poured on the roof of Castrol (Glass) House in London. After the foreman of the builders had nailed up a green fir bough, he and Mr. Leonard Broadway, managing director of the Wakefield Castrol Group, solemnly quaffed noggins of ale. They should, of course, have knocked back tankards of oil.

#### On the Fence

THINGS are terrible," a bodybuilder told me the other day. He was echoing the experience of many in the motor trade, who are suffering from the Chancellor of the Exchequer's refusal to give an indication whether he will remove purchase tax from commercial-vehicle chassis in the Budget. Operators who are delaying the placing of orders may have to wait a long time for delivery when makers are suddenly swamped by post-Budget contracts.

Later the same day, hauliers complained bitterly of a further decline in rates. I was left wondering whether it was better to have business that did not pay or no business at all.

#### Fifth Column

"SURELY a car is better than a bus — can always deliver your car," says an advertisement in the house journal of the Ceylon Transport Board. I would have thought that the Board were hardly in a position to invite competition.

#### Florence Motors Win Continental Tour Battle

THREE out of four appeals by James Smith and Co. (Wigan), Ltd., con-cerning Commental tours have been dismissed by the Minister of Transport. The only successful appeal was against the North Western Traffic Commissioners' refusal to allow the company to run seven-day Continental tours.

The Minister's decision, issued this week, says that Smith's evidence showed there was a demand for Continental tours from south and central Lancashire, and the company should be able to offer seven-day tours in an area where they already operate Continental services. To protect a seven-day Paris tour run by Florence Motors, Ltd., however, a stay of not more than 24 hours may be made in Paris on Smith's trip, which the Minister has authorized.

The North Western Commissioners allowed Florence, Motors, Ltd., to reduce their existing tour to Belgium and Holland from eight days to seven days, and to link working from the Northern Traffic Area (in which a similar sevenday tour was already licensed) with that from the North Western Area. Linking between the seven-day tour to Belgium and France from the Northern Area and corresponding tour from the North-West was also permitted.

Florence Motors were allowed on the

seven-day tour to Belgium and France to spend two days in Ostend as an alternative to one day in Ostend and one day in Brussels, and to operate a 14-day Continental tour and to link carryings from the Northern and North Western Areas.

FORTHCOMING EVENTS
March 12-22.—Geneva Show,
March 26.—Institute of Transport Annual Dinner,
Dorchester Hotel, London, W.I.
April 18-19.—British Coach Rally, Brighton.
May 12-13.—National Association of Furniture
Warehousemen and Removers' Conference, East-

Warehousemen and Returned Solution Conference, Folkestone.

May 12-14.—Public Transport Association Conference, Folkestone.

May 14.—British Association of Overseas Furniture Removers' Conference, Eastbourne.

May 24-30.—International Union of Public Transport Congress, Paris.

June 9-12. — Public Cleansing Conference, Residence.

Brighton.

June 16-25.—Institute of Transport Visit to

June 16-25.—Institute of Transport September 17-27.—Frankfurt Show. September 17-27.—Frankfurt Show. September 20.—Lorry Driver of the Year Competition Final, Baginton. September 21-25.—Municipal Passenger Transport Association Conference, Edinburgh. October 12.—Passenger Vehicle Operators' Association Annual Dinner, Blackpool. October 26-28.—Road Haulage Association October Source, Bournemouth.

October 27-30.—Dairy Show. Olympia, London.
November 9.—Institute of Road Transport
Engineers' Annual Dinner. Piccadilly Hotel,
London, W.1.
November 13-21.—Scottish Show, Kelvin Hall,
Glassow.

Smith's appealed against these grants and failed.

The Minister considers that Florence Motors proved need for a greater variety of seven-day Continental tours from the Morecambe and Lancaster district. As Smith's did not have, and did not seek, seven-day Continental tours from the district, the grant to Florence Motors would not be detrimental to them.

An appeal by Smith's against the Commissioners' refusal to grant them Continental tours from Morecambe, Lancaster and Garstang was also dismissed. They wished to provide a feeder for their existing Continental tours from Preston. Florence Motors sought a similar service, and the Minister thinks that the Commissioners were correct to make a grant to that company, and to limit it to one season, allowing review later.

Smith's complained that Florence Motors did not give notice of their intention of linking, and that they would have objected in the Northern Area had they known. The Minister comments that it would have been desirable for Florence Motors to indicate their intention of linking when making their applications in the Northern Area, but Smith's were not prejudiced by their failure to do so. Smith's had a full opportunity to oppose the proposal in the North Western Area.

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#### **Political Commentary**

By JANUS

# Cops and Robbers

OW seriously hauliers regard the increase in theits from lorries is shown by the transmission to the chairman's committee of the Road Haulage Association of a proposal to consider ways and means of dealing with the problem. The initial impetus has come from the express carriers, who seem to be more affected than anyone else by the latest crime wave. Their vehicles may have to be left unattended, even if only for short periods, several times during the course of a round. The consignments are usually small and often valuable, so that a temptation is ever-present both to the sneak thief and to the hi-jacker. Other operators from all parts of the country have supported the proposal. Although the main difficulties arise in and around London, the effects and the concern at those effects are nation-wide.

The inclination when this sort of thing happens is to take the law into one's own hands. Some hauliers argue that, if the authorities are not coping adequately with the problem, the victims should make their own arrangements. This do-it-yourself attitude does not necessarily lead to the best solution. One suggestion in particular—the appointment of a private flying squad—should not be accepted without careful thought. The idea of an independent police force for independent hauliers may make an effective slogan, but if put into practice would mean a good deal of wasted effort. In principle, the fight against crime is a national and not a sectional problem, and can be waged successfully only if it is a national operation.

The machinery of law and order ought not to be divided up in accordance with the sections of the community that are affected. Nationalization of the police force is accepted by all shades of opinion. In the same way, a nationalized or municipalized fire brigade is preferred to the old system under which each insurance company had its own private fire engines. It was the initiative of private individuals and of private organizations that was responsible for the formation of the first fire services and for some of the forerunners of the police force, but the ultimate decision by which the community took over was undoubtedly right.

#### Security Force

The exceptions help to establish the principle. The railway police, for example, are in a special category. Their territory and functions are sharply divided from those of the police in general. They cost British Railways about £2m. per annum. Presumably the expenditure is thought justified. It is not possible to say whether as much money would have to be spent on a special corps of road security officers. It so, it is unlikely that the money could be raised voluntarily, even if C-licence holders were prepared to co-operate with hauliers. With road transport the situation is not the same as on the railways, and the difference is made plain within the British Transport Commission. Although there are the much-publicized watch-dogs that travel with the Carter Paterson vans, British Road Services do not have a security force comparable to that of British Railways.

Whatever success the road haulage flying squads might have would be out of proportion to the energy and money spent on them. It would shift the problem instead of solving it, and the results would be only temporary. Because the main trouble at present is in London and in the approaches to it, the services of a special organization would be concentrated there at the outset. The probable result is that the thieves would try somewhere else.

It is hardly a satisfactory or permanent solution to get rid of vermin by driving them into the neighbour's house. Provincial hauliers would soon be constrained to form their own force of vigilantes. By this time the expense would be considerable, but however great the pressure it would not solve the problem satisfactorily. Let us assume, however, that so great a concentration is built up of ex-police officers and other experts on crime that the number of thefts begins to decline. This is still merely treating the symptoms for the disease. The thieves are not likely to become reformed characters just because they are thwarted in one department of their trade. They will turn their attention to some other branch of larceny. The relief brought to road operators would be at the expense of the rest of the community, and would not be permanent.

The committee who are to consider the problem of thefts from vehicles could reasonably maintain that this type of crime is the easiest to perpetrate. Apart from this it is no different in kind from other thefts, and is best regarded as a particularly bad example of a general deterioration. Publication by the Government of a White Paper called "Penal Practice in a Changing Society" is a reminder that the increase in crime in recent years is general. Transport operators may be particularly sensitive to it, just as they react quickly to other social and economic changes.

#### **Right Equipment**

Goods are at their most vulnerable when they are in transit. Even when special vehicles are built as refrigerators or strong-rooms they are seldom as good as the real thing. Most vehicles carrying goods that are at all liable to be stolen are constructed as strongly as is consistent with the need to keep down the weight, but a determined man can usually find an entry if he is given the opportunity. The greatest hazard is that the man with the right equipment, which does not have to be elaborate. can take the load and the vehicle, and separate the one from the other at his leisure.

There are two main methods of tackling the problem. It can be made more difficult for a thief to get at a vehicle or a load, and his general environment can be made more discouraging. Locks may be picked or broken, but an obstacle is presented at the outset if, whenever a vehicle is left unattended, the doors are locked and the ignition key removed. There are devices on sale for immobilizing the engine still further, and there are ear-splitting warning systems that function whenever an unauthorized person attempts to open a vehicle door or pull up a roller shutter.

The task of providing an unfavourable environment for the thief is not one that hauliers and other road users can best tackle in isolation. They will have general support for any proposals designed to strengthen the police for their main purpose of dealing with crime. An inadequate force is further attenuated by duties that have tended to become more onerous. In some towns there are plans for the appointment of officers to control and supervise parked vehicles, thus leaving the police free for other work.

In considering what action is needed to deal with vehicle thefts, apart from what can be done by individual concerns, hauliers should go no further than to set out the extent of the problem and suggest what force is likely to be needed for coping with it. The next stage ought to be in the hands of the Home Office, who should be asked to say whether they agree with the assessment and whether they have the resources to meet it.

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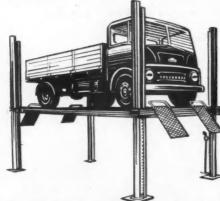
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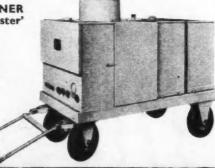
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# Calling the Railways' Bluff

By a Special Correspondent

The Transport Tribunal's de-

cisions on normal user are

being widely misinterpreted

by the railways in an effort to

secure the cancellation of

licences of hauliers who have

changed the nature of their

traffic

RITISH RAILWAYS seem to be abandoning the rôle of objector to applications for the renewal of A licences where there has been a departure from the stated normal user without permission from the Licensing Authority. Instead, they are adopting the mantle of prosecutor. They still appear in court with monotonous regularity, but, bending over backwards to ram home their interpretation of the Transport Tribunal's decisions on this point, they forget that as objectors they have to prove that they provide suitable alternative facilities.

Their main effort is directed towards having the unfortunate applicant's licence revoked. There must be many people in the haulage industry, including British Road Services, who believe that the railways could safely leave this matter to the Licensing Authority.

The railways seem to be deliberately misinterpreting the Tribunal's decisions on normal user to fit their own purposes, possibly because their own facilities are completely unsuitable. They are construing appeal decisions

in a manner contrary to the interests of the general public and to the principles of road haulage operation.

If the railways had their own way (which they could get only by change of Government) an A-licensee would be restricted to carrying the class of goods within the districts detailed in the normal user attached to his licence. If he wished to haul different goods or operate in fresh districts he would have to apply to the Licensing Authority for the amendment of his normal user, otherwise he would automatically lose his licence. This attitude

is contrary to the general belief of hauliers that an Alicence entitles them to carry anything anywhere. An operator may know the class of goods he will be asked to carry on the outward journey but often he has to rely for return loads on clearing houses, when the traffic may be entirely different.

NE of the most interesting cases I have observed was reported in The Commercial Motor on December 19, 1958. Mr. J. H. A. Randolph, Yorkshire Deputy Licensing Authority, evidently declined an invitation by the railways to join their witch-hunt and repudiated the principle that, because a haulier had deliberately infringed the method of operation authorized by his normal user, he should automatically lose his licence.

A haulier engaged in general work in 1953 bought a furniture-removal business, including an A-licensed van, which undertook local furniture removals. At the time he had no intention of continuing that work and immediately replaced the van by a platform vehicle, adding it to his general-haulage fleet. The vehicle did general haulage for a concern of shipping and forwarding agents and carried castings for a company whom the haulier served also under a contract-A licence.

In 1953 nothing was known about normal-user restrictions, so that the Licensing Authority was never told of the change in the nature of the goods carried.

As objectors, British Railways held that the renewal would have to be refused, because the Tribunal had decided that in such a case a hautier should lose his licence.

Mr. Randolph nevertheless granted the renewal and made some significant observations.

The haulier, he said, had never intended to take over the removal business and had even made this clear to the Road Haulage Association when he bought the van. He would not have bought it had he known the true position. Mr. Randolph added that people should not be punished for doing things which they did not know at the time to be irregular and, if the licence were refused, the haulier's sin would be passed on to the general public. No evidence of alternative facilities had been given by the objectors.

R. RANDOLPH pinpointed the weakness of the V railways' general attitude towards normal user. A careful study of the Tribunal's decisions suggests that the railways' arguments are bluff. The Tribunal have given Licensing Authorities discretion and under the Transport Act, 1953, they have to consider primarily the interests of persons requiring transport.

In plain language, if a haulier loses his licence, have his customers still satisfactory alternative facilities? In most cases these cannot be supplied by the railways alone, without the support of British Road Services. It is significant that B.R.S. seldom appear to join the railways in trying to shackle private-enterprise hauliers.

If an applicant were already providing a satisfactory service to his customers, an alternative facility would have to be extremely attractive to convince a Licensing Authority that the interests of present customers

would not be prejudiced if the licence were revoked.

OUR appeal decisions bear on this subject. The first is that of Williams Bros. versus B.T.C. and others. A departure from normal user came to light when Williams Bros. applied for three extra vehicles.

The Tribunal suggested that, in effect, the appellants had asked the Licensing Authority not merely to condone their failure to fulfil their original declared intention, but that he should enable them to retain the business which they had obtained by so doing. In the Tribunal's opinion, the facts of the case were that, irrespective of the evidence as to the transport requirements of the locality, the Licensing Authority's discretion ought not to have been exercised in Williams Bros.' favour and the appeal was dismissed.

The Tong appeal (Tong versus B.T.C.)—second case arose out of the refusal of the renewal of an A licence originally granted in 1952. During the currency of the licence, the Tribunal pointed out, the character of the business had changed entirely. It was not a case where, after the passing of the 1953 Act, a haulier had stated an intention so as to obtain a licence and had then failed to carry it out. It was not in dispute that the appellant had to satisfy the Licensing Authority that there was a need for the services he was offering.

If, on the whole of the evidence, the Tribunal said, it appeared that other facilities were sufficient, an application should normally fail. In this case Mr. Tong's customer appeared to be well catered for without his services. The Tribunal were reluctant to deprive an established haulier

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of his licence, but they said he should have given further evidence. An objector's evidence must be measured against the evidence which it was called to meet. [There is no suggestion here that if Mr. Tong had, in fact, given the required evidence, his application would still have been refused and that the Tribunal would have dismissed an appeal.]

ASE law on normal user was taken a large step farther by the Knight appeal (C. Knight and Sons, Ltd., versus B.T.C.), which arose out of the refusal of two applications for the renewal of A licences. In upholding this decision the Tribunal gave two reasons for regarding the declaration of normal user as of capital importance:

(1) In so far as the declaration stated "the district in which or places between which" the vehicle or vehicles for which a licence was sought "will normally be used," it determined the class of person whose objections a Licensing Authority was bound to take into consideration.

(2) Normal user determined the scope of the Licensing Authority's examination of the merits of an application. The Tribunal regarded this as the more important of the

To treat the declaration as a mere flourish or statement of intention to which no one expected the applicant would adhere, and from which, once he obtained his licence, he was free to depart, would make the exercise of a Licensing Authority's discretion a farce, the Tribunal commented. A Licensing Authority was in order, when a renewal became due, in taking into account the fact that a licensee had failed to fulfil a statement of intention, on the faith of which the licence was originally granted.

All the pre-war and post-war cases in which a departure from declared normal user had come to light on a renewal application had established the following points:

(1) Where an applicant for a renewal satisfied the Licensing Authority that the authorized vehicle or vehicles had been regularly and fully employed during the currency of the expiring licence, and that there had been no material change in the circumstances of the business, the Authority would, unless a statutory objection were established, be justified in granting the application.

(2) Where there had been a material change in the circumstances of an applicant's business, his application should be refused unless he adduced evidence proving a need for the services he proposed to provide.

(3) A substantial departure from the previous normaluser declaration which was not attributable to causes beyond the applicant's control was a "material change in

the circumstances" of his business.

The Tribunal quoted the appeal case of Rex versus West Midland Licensing Authority, which was heard in the House of Lords in 1936. This made it clear that a Licensing Authority was empowered, when a licensee sought renewal, to treat a departure from normal user as justifying the refusal of the licence.

Hauliers who, for sound commercial reasons, decided to divert vehicles to new uses should, the Tribunal said, apply for a new licence, declaring the new purpose and offering

at the same time to surrender the old licence.

The Hesketh appeal judgment (T. Hesketh, Ltd., versus B.T.C.), which again resulted from the refusal of a renewal of an A licence, amplified the Knight decision. The Tribunal pointed out that every departure from a previous normal-user declaration should not be regarded as calling for the refusal of a subsequent application. The exercise of the Licensing Authority's discretionary power to do so depended on the facts of each case.

T will be noted that the Tribunal have repeatedly referred to the Licensing Authority's discretion. In none of these appeal decisions do they say that a haulier must automatically lose his licence if he has changed his normal user without first obtaining permission. It is most unfair to put forward such a proposition as regards an A licence, because there must be many B-licensees who have been prosecuted for contravening the conditions of their licences without subsequently suffering the penalty of

The Tribunal's decisions can easily be misconstrued in traffic courts and used to convey an entirely false impression. First and foremost, the general public must be safeguarded. They should be given a choice of road or rail facilities, and the railways' general evidence of their ability to do work already undertaken by applicants should be carefully scrutinized.

### "No Need to Worry if Traffic has Changed"

IF circumstances force a substantial change of normal user on a haulier there appears to be no reason why he should not apply to amend it by way of variation. There were no Transport Tribunal decisions which said it was essential to apply for a new licence.

The Northern Licensing Authority, Mr. J. A. T. Hanlon, said this at Stockton on Tees, last week, when he called to a public inquiry an application by T. Smirthwaite, Ltd., Northallerton, for variation of an A licence, although objections to it had been withdrawn after a meeting of the road and rail negotiating committee.

Mr. Hanlon said hauliers who applied for a normal user in such wide terms that the Licensing Authority had not the faintest idea what they wanted to do, or had been doing, must expect to be called to an inquiry. The Transport Tribunal had said that wide terms covering every class of goods for the whole country were obsolete and meant nothing.

Mr. C. Kirkup, for Smirthwaite's, said they wanted to replace a petrol vehicle of 2 tons 14 cwt, unladen, with an oilengined six-wheeler of 5 tons 10 cwt. There had been a change of normal user, because after being restricted to the North Eastern Area during nationalization the company thought they were entitled to go back to their original work.

Mr. M. Bulmer, a director, said the normal user sought was: " Mainly agricultural produce and requisites, coal, coke, ashes, sand, gravel, cement, metal, wood, bacon, soil, sacks and tarmac-adam, England, Scotland and Wales." This was similar to the existing one as to commodities, but did away with confinement to the north east.

From 1919 onwards until nationalization, he added, the company had had seven vehicles operating all over the

country and they were aggrieved that they should still have the normal user forcibly acquired during that time.

England, Scotland and Wales, was a no more acceptable proposition than Great Britain, said Mr. Hanlon. From the evidence, the normal user required appeared to be: "Agricultural products road and building and requisites, materials and timber, coal, coke, ashes, steel and metal constructional work, and food; mainly in the north eastern area. York, Manchester and Newmarket.'

After Mr. Bulmer had agreed to an amendment in these terms, Mr. Hanlon added that this type of investigation was for the protection of the haulier-the net was spread to catch those who applied for a licence for one purpose and used it for another, or added additional axles to their vehicles. No haulier need fear a genuine change in business if he sought the aid of his Licensing Authority.

### Opinions and Queries

## That Agreement on Normal User

IN an article published in your issue dated January 16, Ralph Cropper asked why the Road Haulage Association entered into the "agreed joint procedure" with the railways. I have had no hand in association affairs since 1944, but I imagine that the answer is that the R.H.A. expected the full agreement of 1939 to be carried out.

As one of those who negotiated this agreement, I am perfectly clear as to what was consented to by the road representatives. The negotiating committees to deal with licensing were the least important point. The major achievement (as it seemed then) was that both parties agreed to work together towards a common classification and rates

Seeing that the 1953 Act made that impossible, I would much like to know how the solemn agreement of 1939 was cancelled. Did either party formally denounce it, or did the British Transport Commission merely ignore it when promoting the 1953 Act? As the R.H.A. did not then exist in its present form, it would be interesting to know where the road representatives' copy of the agreement is lodged. The secretary for the road side was the late F. G. Bristow, who acted in that capacity because he was secretary of the liaison committee which preceded the standing joint committee of hauliers' organizations. Not only has he passed away but all the other road representatives in the road negotiations are either dead or out of the industry, except Mr. C. Barrington.

Birmingham, 27.

C. S. DUNBAR.

#### A Hold-up May Bring Business

WE note with interest your article "Wolf in Sheep's Clothing," under "Passing Comments," in your issue dated January 30, and we would inform you that we have had for two years such a vehicle operating on a B licence which we hire to factories and banks in Plymouth for the carriage of bullion, wages and high-security parcels.

It is similar in design to those to which you refer and is in the livery of our own delivery vans. It is a Morris-Commercial I-ton vehicle. The only comment we may add is, that being in the West Country and far from London we have the utmost difficulty in persuading local business houses that such security is necessary, despite backing from the local police. Perhaps one day, if there is a hold-up in Plymouth, we will find ourselves having more than one van!

Plymouth.

A. McFarlin,
General Manager,
The Plymouth Transport Co., Ltd.

## A Present to the Socialists?

IT was with considerable astonishment that I read in your issue dated January 30, of an address by Mr. G. Duncan Jewell of *The Commercial Motor* to an Institute of Transport meeting in Newcastle upon Tyne. From this it would appear that he freely accepted that restrictions of one kind or another would have to be placed on C licences in the event of renationalization.

I have always taken it quite for granted that *The Com*mercial Motor and all concerned with it stand firmly for "freedom of choice." This must naturally include the right to carry one's own goods in one's own vehicles if

one so wishes.

Would you not say that consignors do in fact already

use all available forms of transport and for each consignment choose that which in their judgment is the most suitable for the purpose? Is it not also a fact that the British Transport Commission are now occupied in modernizing their railway system in order to make it an efficient means for transport, capable of attracting on its own merits as much traffic as it can? On the other hand, I think it is a fact that the road goods services, whether publicly or privately owned, are able to attract traffics for which their services are suitable.

Surely, all the numerous discussions on "the transport problem" arise only because of the failure of British Railways to "pay their way"—a misfortune they share with most other railway undertakings in the world. It hardly seems necessary to stress the importance of transport to trade and industry, and the need for all transport facilities to be both efficient and economic. It is therefore clearly in the national interest that in all cases the best form of transport should be used. From this it must follow that it would not be in the national interest to force traffic on to a form of transport less suitable or less efficient than an available alternative.

Apart altogether from this, my Association would appreciate a restatement of the general lines of policy of *The Commercial Motor* in this matter and an assurance that Mr. Jewell, in making the remarks attributed to him, was expressing only his personal point of view.

London, W.1.

F. D. FITZ-GERALD, Secretary,

Traders Road Transport Association.

[Mr. Jewell was only explaining possible lines of Government action if road haulage were to be renationalized. He did not advocate the restriction of C-licensed vehicles, to which *The Commercial Motor* is, of course, strongly opposed. This journal cannot, however, be responsible for the opinions or possible actions of the Socialists.—ED.]

## Will Railway Modernization be Successful?

FOUND the letter from M. P. Allchin, in your issue dated January 23, interesting in the way it took Mr. R. Morton Mitchell to task. I think, however, that it is most unlikely that the railways will ever be able to compete favourably with road transport. This is despite the fact that they are being bolstered up by the Government and are exempt from purchase tax, licensing duties, and the 2s. 6d. per gallon tax on oil fuel.

It seems apropos to point out the example of the extensively electrified French railways, which are considered by many people to be the finest example of rail-bound transport in the world. Despite this they still require a subsidy of about £90m. a year. In fact in 1957 they lost a further £23m. I therefore think that it is no exaggeration to say that the British Railways modernization scheme is likely to make the groundnuts scheme look like a drop in the ocean. It is to be hoped that our politicians may realize, long before the modernization is complete, that industry today employs flow-production methods and therefore requires consignments arriving and leaving at frequent and regular intervals.

When this great enlightenment occurs the only satisfactory solution will be to convert the railway system into a really comprehensive scheme of motorways.

York. A. I. WATKINSON.

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Complexities in Assessing True Overall

Cost of Distribution: Influence of

Increasing for More Frequent Delivery

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Significance of

External Trends:



### Planning for Profit

A. J. Miles, Ltd., Belvedere, Kent, have put this A.E.C. Mercury with Jennings bodywork into service. The vehicle delivers cattle to the company's slaughterhouse from markets and farms. The removable container is 20 ft. 6 in. long and can accommodate 120 130-lb. pigs.

## Factors that Control Costs

BECAUSE total distribution costs depend on many variable factors, their study must inevitably be complex, particularly as the degree of emphasis given to each facet may also vary with circumstances. Before considering some of these, however, I will run briefly through the basic principles underlying commercial vehicle operating costs.

The 10 items into which operating costs can conveniently be divided are licences, wages, rent and rates, insurance and interest, together with fuel, lubricants, tyres, maintenance and depreciation. The first five are standing costs and the remainder running costs. This division stems from the two basic elements in transport operation—time and mileage. Standing costs are incurred whether vehicles are stationary or

mobile, and are fixed only in terms of time—per year, week or hour. Reckoned per mile, however, they progressively reduce as mileage increases. Thus, if the total weekly standing costs were £12 10s., the cost per mile would be 1s., 6d. and 3d. at 250, 500 and 1,000 miles per week respectively.

The principle of reducing standing costs with increasing mileage is one of the two main objectives in securing maximum use of vehicles. The other

objectives in securing maximum use of vehicles. The other is the enhanced revenue which increased mileage should normally imply. The achievement of these objectives depends

largely on the efficiency of the traffic department.

Economies in running costs, however, are mainly the concern of the engineering department, provided that co-operation is forthcoming from the road staff. Running costs occur only when vehicles are operated, so it is convenient to reckon their cost per mile. Other than when employed under exceptional operational conditions, running costs will vary directly in relation to mileage run.

#### Lesser Degree

The addition of standing and running costs gives total operating costs, and the cost per mile then reduces as the mileage increases, although to a lesser degree than with standing costs. Should the occasion arise, or if it is more convenient, total operating costs can also be expressed per week when the total weekly mileage is known. It is, indeed, the absence of any indication of what this is likely to be which reduces reasoned estimation to guesswork.

Thus, a cost per mile of 14.11d. to run a 7-ton oiler averaging 800 miles per week rises by more than 25 per cent. to 18.09d, when only half that mileage is covered during the week. When the actual weekly mileage is not known, a reasoned estimate must be made before costs—and subsequently charges—can be calculated.

So far the 10 items have been grouped into standing and running costs. There are also occasions when it is convenient to consider them in terms of actual or estimated costs. Current licence and insurance fees, for example, will be known and can be correctly proportioned. Maintenance and tyre costs, however, even for the immediate future, can only be estimated, although, with increasing experience, prior assessment should become more accurate. The newcomer, however, will be compelled to adopt standard costs, such as those shown in "The Commercial Motor' Tables of Operating Costs," until he has compiled sufficient statistics based on his own experience.

The need for estimating future costs, instead of waiting until

figures of actual expenditure are available, is occasioned both by forward quotations and future planning. Of recent years, the principle of budgetary control has become more widely adopted, providing an incentive to keep actual costs within, or below, the prescribed estimate.

There is still another division of the 10 items of operating

costs, which must be fully understood and appreciated if the user is to continue to operate his vehicles efficiently and profitably. This concerns immediate and deferred payments.

Thus, of the five standing costs, only wages (and possibly garage rent) will be paid weekly. Licences, insurance and interest charges will be met less frequently. A larger proportion of running costs will normally be paid currently, but, even so, over half the expenditure on running costs will be deferred.

#### Routine Servicing

This applies particularly when a new vehicle is put on the road. Fuel, lubricants, washing and routine servicing are all that should be required during the early stages of operation. Using as an example a 7-ton oiler, total running costs amount to 10.36d. per mile at 600 miles per week or more. Apportioning 0.37d. per mile of the total maintenance charge of 2.13d. to servicing, immediate expenditure to be met would then be: Fuel, 3.07d.; lubricants, 0.25d., and servicing, 0.37d. per mile—total, 3.69d. A balance of 6.67d. per mile would remain to be met later, consisting of tyres at 1.76d., maintenance at 1.76d., and depreciation at 3.15d. per mile.

The significance of this division of the 10 items of operating costs as between those paid currently or those deferred is twofold. First, it limits the possibility, through inexperience, of both underestimating the true operating cost and subsequently quoting totally uneconomic rates. Secondly, by appropriate recording, provision can be made to meet the deferred items of cost—several of substantial amounts—when

(Continued on page 61)

for on-the-road' conditions

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"on-and-off

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There is now a

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for every modern commercial vehicle, bus and coach

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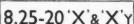
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12" deep pressed steel channel side members. Deck framing of 7" deep pressed steel rave channel and closely spaced steel cross members.

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they eventually arise. More operators have probably gone out of business through ignorance of this factor than for any other

The 10 items so far described can be specifically allocated to individual vehicles. But when more than one vehicle is operated, overhead or establishment costs will also have to be met. These are incurred in the overall running of transport and comprise such items as management, clerical staff, stores, depots and auxiliary fleet. Where a large fleet is operated, these items may total 50 or more. Although individually the sums may be small, the total amount may be large, and the fair apportionment of overhead costs to each vehicle needs careful consideration according to individual circumstances, which could include vehicle capacity and traffic loadability.

Where vehicles are operated for hire or reward, as distinct from ancillary use, profit margin has to be added before a charge can be formulated to cover, at least to some extent, the many contingencies that arise in running a business.

So far all the factors considered in reaching this stage in estimating costs and charges could be said to be internal, or peculiar to each user, although not necessarily under his direct control. Whilst the annual licence duty on the 7-ton oiler may

The actual cost of providing a vehicle, although accurately calculated, may not evaluate the service provided to the customer or bear relation to the rate he can afford to pay. There may be many reasons for this. In one industry the average cost per unit of production is around £15. Transport costs average 6s. per unit, with a guarantee of a 24-hour delivery service, or 5s. without. Because it would obviously be commercially imprudent to risk a dissatisfied customer to save a third of 1 per cent. in total cost, the second service is unlikely to be employed.

In short, the efficiency or inefficiency of the provider of the unguaranteed service, so far as it reflects on cost, has little or no bearing on the customer's decision to use his service. Even if the rate of 5s, were reduced to 2s. 6d., the customer might still find other compelling reasons to use the guaranteed

service, albeit at 6s. per unit.

The value of speed and reliability is often underestimated by potential planners of transport on a national level. Yet it is essential to many trades and industries, where the advantage of outward deliveries to a timetable is considered to outweigh the cost of vehicles returning empty. The demand for time-tabled deliveries has understandably grown in recent years.

(Right) This Bedford is operated by the Premier Ice-cream concern of Denmark, and has bodywork by Messrs. Carlsen, data das bodywork by Messrs. Curisen, Humleback. There are hold-over cooling plates charged at night by refrigerator plant. The body is approximately 12 ft. long, 6 ft. wide and 6 ft. high internally. The vehicle weighs about 4\formation tons unladen and has a payload capacity of slightly less than this.





(Left) The Cement Marketing Co., Ltd., operate this Leyland Super Comet bulk-cement carrier. It has a 9-ton tank built by Carmichael and Sons (Worcester), Ltd., mounted on a sub-frame with Edbro-B. and E. tipping gear. During discharge the tank is tipped to 30 degrees and the load is ejected by a blower working at 10 p.s.i. and driven from a power take-off. Tank contents can be discharged to a height of 40 ft. in about 15 min.

be fixed at £38 15s., the user would at least be free to choose a vehicle with a lower rate of duty if he considered the work to be done did not justify that amount, and similarly with other items of operating costs.

However, two powerful external factors affecting charges remain—the customer and the competitor—and both become interrelated under the influence of supply and demand. Rate structures are often as much determined by this as by any other reason.

Variations in the characteristics of traffic offered by customers can vitally affect the operator's real costs and the ultimate profitability of the contract. For this reason, a multiplicity of goods classifications has been evolved, originally in connection with traffic borne by water or rail. More recently, attempts have been made to simplify charging schemes, but the road transport operator is invariably at an advantage in this respect. This is because, being a smaller unit, he is better able to specialize in a group of traffics which he knows well and for which he can give both prompt and economic quotations.

Increased industrial production has necessitated more floor space, often making inroads into accommodation previously used as stores at a time when, relatively, stocks of basic materials should also be increased. The only solution has been to reduce stocks to a minimum and to insist

that they are maintained continuously by transport services of

the utmost reliability and flexibility.

Whilst this trend has naturally proved favourable to the road transport industry, its extent and significance are not always fully realized. A census taken by a concern engaged in basic food production, for example, showed that in 1948, 60 per cent. of the weekly output was ordered by customers who gave at least seven days' notice for delivery the following week. In 1958, 70 per cent. of customers demanded delivery on a specific day, and often at a stated time.

Moreover, 10 years ago, many customers would, on request, adjust within reason the quantity ordered to fit in with other deliveries. Now they insist on the precise quantity (often smaller than previously) being delivered at more frequent intervals. The continuance of this trend towards increasingly exacting demands by trade and industry on transport services may well affect the future location of distribution depots, or even factories. A wider range of vehicles may also be S.B. necessitated.

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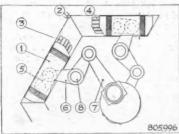
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## A Polygonal Engine

THERE are many advantages in a polygonal layout of cylinders of which the Napier "Deltic" engine is an example, but such engines usually have a crankshaft at each corner of the polygon. A scheme in which a single central crankshaft can be employed in such a layout is shown in patent No. 805,996. (A. Roth, 58 Kaupenstrasse, Essen, Germany.)

The drawing illustrates the basic geometry of the proposed engine. The



engine in this case is hexagonal in outline and has six cylinders, each of which contains a double-headed piston (1). The combustion spaces are located at the corners of the polygon, and the injectors (2) are therefore placed at these points. The engine operates on a two-stroke cycle and its exhaust ports (3) and inlets (4) are sited at the "bottom" of the

Each piston connects with the central crankshaft via a short link (5), a bellcrank (6) and a connecting rod (7). The bell-cranks work through slots in the cylinder wall, but these are so arranged as to be closed by the pistons at all times.

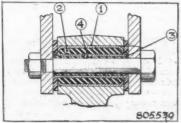
A feature of the patent is the possibility of varying the valve timing by mounting the bell-crank pivots (8) eccentrically so that their position can be altered by an external control.

The patent covers also the use of poppet valves instead of cylinder-wall ports for the exhaust system.

#### IMPROVED RUBBER BUSH

PATENT No. 805,539 shows a resilient bearing that can be used for numerous purposes, in particular for pivotal joints of motor vehicles. (Howard Clayton-Wright, Ltd., Wellesbourne, Warwickshire.)

The drawing shows the type of joint that could be used in a spring shackle. It comprises an outer member into which fits a thin metal housing (1). This contains a rubber sleeve (2) which, for heavy



loads, may be given a degree of precompression on to an inner sleeve (3).

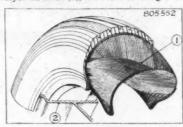
Between the inner sleeve and the central bolt is a thin sleeve (4) preferably made of nylon. This is split to allow for expansion of the nylon through heat or The nylon is preferwater absorption. ably lubricated, although it will not fail if run dry. Axial thrusts are taken by end flanges formed by turning over the ends of the metal sleeves.

#### LARGE TUBELESS TYRES

ARGE wheel rims, as used on commercial vehicles, usually have a detachable side-wall which is removed when a tyre has to be changed. As it is practically impossible to seal such rims against air leaks, they cannot be used with tubeless tyres.

Patent No. 805,552 shows a large tyre having no bead wires; this means that it can be sprung over a one-piece rim. The tyre is so constructed that the pressure of inflation sets up a force that presses it firmly into position on the rim. (Dunlop Rubber Co., Ltd., 1 Albany Street, London, N.W.1.)

The tyre comprises a body of natural rubber containing at least one double layer of cords (1), the cords crossing over



to form a latticed pattern. The action of this construction is such that inflation places the cords in considerable tension and so causes the bead portion to contract. This is said to create an airtight seal on the flat base (2) of the rim.

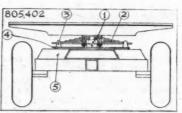
#### PLASTICS TRAILER BODIES

PATENT No. 805,024 comes from Fruehauf Trailer Company, 10940 Harper Avenue, Detroit, Michigan, U.S.A., and gives details of plastics bodies for trailers. They are intended mainly for refrigerated vehicles to combat the corrosive action of the refrigerant. Glassfibre-reinforced polyester resin is the material used and the patent gives examples of construction.

#### SPRUNG TURNTABLES

SPRUNG fifth-wheel coupling for A trailers and semi-trailers is shown in Patent No. 805,402. The aim of the design is to keep the trailer level even when being cornered sharply. (R. Bünger, Villa "Aadal," Hojby, Fyn, Denmark.)

The drawing shows an end-on view of the front of the turntable. Instead of a king-pin it has a ball-joint (1) which permits it to rock in any direction. The ball-joint is mounted on a leaf-spring (2) clamped to the trailer frame. The ends of the leaf-spring bear on blocks (3)



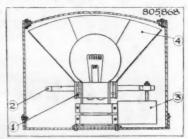
which can move circumferentially around the turntable (4). These blocks may also act as buffers to impose a limit on spring

When the drawbar member (5) corners, the leaf-spring remains at right angles to the trailer frame and so tends to maintain the trailer on an even keel. Instead of a single half-elliptic spring, two quarter-elliptics may be used.

#### A CONSPICUOUS STOP-LIGHT

THE multiplicity of vehicle lights makes it difficult to differentiate the brake stop-light from the others, and patent No. 805,868 shows a design for such a light that is intended to give a very distinctive signal. (A. van Oosten. 76 Oude Delft, Delft, Holland.)

The main feature of this light is that it appears to revolve and is therefore unlikely to be mistaken for any other. The drawing shows how this apparent rotation is produced by revolving the The latter is mounted on reflector. ball bearings (1) and is driven by a gear (2) engaging with a pinion on an electric motor (3). The motor is controlled by the light switch so that both function together. The angular facets (4) of the reflector ensure that the light is spread through a wide angle.



#### **ELECTROLYTIC DEPOSITION OF** LUBRICANT

SCHEME for electroplating valve A rockers with chromium or other hardwearing metals is disclosed in patent No. 805,839. The novel point is that a lubricant is deposited simultaneously with the chromium, a suitable lubricant being zinc sulphide. This material is suspended in the plating bath to which considerable agitation is imparted. The patent comes from Daimler-Benz A.G., Stuttgart-Untertürkheim, Germany.

#### PISTON-RING PRODUCTION

PATENT No. 806,882 discloses machine for the rapid production of piston rings. They are finished to a noncircular outline but when assembled in the cylinder attain perfect circularity. The patentee is Goetzwerke, Friedrich Goetz A.G., Burscheid, Köln, Germany. around

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# COMMERCIAL

## ADVERTISEMENTS

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#### GOODS VEHICLES FOR SALE AND WANTED

#### USED GOODS VEHICLES

CLASSIFIED

6 X 6 Unregistered ex-W.D. diesel/petrol chassis and cabs, also 2.500-gal. refuellers; c/w winches if required. Genuine delivery mileage only. Mo.S. rebuilds, Cundey and Stewart. Ltd., Alfreton, Derbyshire. Phone. 2zz-644

A.E.C. Matadors, 4 x 4, with diesel engines, pover winches. Arnot's Auto Spares, Guth

A.E.C. 6 x 6 tankers and chassis and cab only.

A.PPLY Sworder (Motors), Lane End, High Wycombe.
799-7141

50 A.E.C. Matador diesel lorries, 4-wheel-drive, complete with air brakses, winches and wooden bodies. In little used condition, as received direct from the War Office, £575 each.

M. M. ESSRS, D. ARNOLD, Feltham Rd., Ashford, Middx, (Five minutees from London Airport). 798-50

A.E.C. Ex.W.D. 6 by 4, 7.7 engine, fitted drop-drop-side body and complete with 15-ft, ex.W.D. drop-side trailer on 1050 by 13 tyres. Both are in excellent condition, 2275 the pair. Justice, Langley Mill 3182, home 5625.

182, home 3623.

1937 8-wheeler A.E.C.; also 1937 4-wheeler A.E.C. both in good running order, 8225 the two. Adam Erwin and Co., 15 Kins St. Maidstone 55922.

1949 A.E.C. 6-wheeler, 9.6 engine, good running order, 2750, 1949 order, 2750, 1949 order, 2750, 1949 order, 20-ft, body, 2550, engine, good running order, 20-ft, body, 2550, engine, good running order, 20-ft, body, 7.7 engine, good running order, 20-ft, body, 7.7 engine, good A.S.O others at very reasonable prices; terms and exchanges. A 150 citchings.

exchanges.

RUSH GREEN MOTORS, Langley, Hitchin. Herts.
798-355

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1942 A.E.C. 8-wheeler 7.7 and booster, 36 by 8 tyres, very good order and clean, 6325. 9 Newthorpe Common, Eastwood, Notts. Langley Mill 2623, evenings 798-242

1900.

38-242

39-36

A.E.C. diesel 32-seater coach, £150; 1948

A.E

A.E.C. 7.7 engine, 8-wheeler, 6-wheeler, 4-wheeler, and Rippleway 5026.

A.E.C. Wanted

WANTED. A.E.C. 4-wheelers. Monarchs or Mandators, any wheelbase, with or without licence, from
1946 on. Box CM9814, care of "The Commercial Motor;
298-7167

A.E.C. Tippers, 4-, 6- or 8-wheelers, 1936-1936.
Dodd, Dromara, Co. Down. 798-244808

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1948 F.T3.L petrols, two, flat bodies, first-class con-condition, JNB 611 and JNB 612, new remould-all round fitting the state of the state of the state of the smaller trucks, reasonable offers. Gisborne Dairy, Ltd. Chapel-en-le-Frith, Stockport. Phone, Chapel 2484.

798-x4890
1950 ALBION FT3 6-ton truck, good condition, 798-296
LATE 1955 ALBION Chlettain artic., one 24-ft. trailers, in excellent condition, 21, 100.
Transport, Swansen 7383. 4 or 6-wheeter. Reg. 798-419

#### Albion Wanted

1956 wheelbase, with or without bodies, must be clean. Adv 5096.

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PRICE'S (EARL SHILTON), LTD., "THE ATKINSON PEOPLE,"

NEW STREET.
EARL SHILTON.
NEAR LEICESTER.
Phone 3321-2-3.

222-917

1947 ATKINSON 6-wheeler, sound condition, £625.

SCOTTS OF NOTTINGHAM, LTD., LAMBOURNE DRIVE, NOTTINGHAM. Phone, Deer Park 221-2.

ATKINSON MAIN DISTRIBUTORS. FAVOURABLE DELIVERY OF ALL MODELS. 6-17 TONS.

SALES, SERVICE, SPARES.

1948 ATKINSON 8-wheeler, 6LW engine, double throughout, any trial, terms and exchanges, 2750.

RUSH GREEN MOTORS, Langley, Hitchin, Herts. 798-338

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#### Used Goods Vehicles (contd.)

RYLAND GARAGE, LTD., Midland distributors, for prompt delivery all Atkinson models. New and used 8-wheelers available
RYLAND GARAGE, LTD., Ryland St., Birmingham,
16. Edgbaston 4501-5. Grams, "Diesel." 798-410

Atkinson Wanted

A TKINSON or Foden late model 8-wheel tipper wanted
thorace Kendrick Ltd., Green Lane, Walsall. Phone
6521. 798-x4873.

4 X 2, 4 x 4 6 x 4, unregistered ex-W.D. trucks, good selection Cundey and Stewart, Ltd., Alfreton, Derbyshire. Phone, Leabrooks 477

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SEVEN SISTERS ROAD. TOTTENHAM, N.15.

PHONE STAMFORD HILL 8000.

#### SERVICE AND SPARES. SPECIALISTS IN ALL TYPES OF BODYWORK.

1956 AUSTIN A40 van, first-class condition through out with heater, £330. Scottorn, Ltd., Kingston Rd., New Malden. Malden 3633.

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FOR YOUR

AUSTIN COMMERCIAL.

ALWAYS A LARGE SELECTION OF

NEW AND USED

VANS, TRUCKS, LUTONS.

H. A. SAUNDERS.

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### CAR MART, LTD.. SIX MONTHS' GUARANTEE WHERE STATED.

#### 10% DEPOSIT.

948 AUSTIN 2-3-ton boxvan, £125. 957 AUSTIN A152 Omnivan, 6,000 miles, £475

1957 AUSTIN A152 Omnivan, 6,000 miles, £475
1957 AUSTIN, B.M.C. diesel prime mover (Scammel)
1958 AUSTIN A35 van, 6,000 miles, guaranteed, £1,145.
1950 AUSTIN 3-10n Luton van, approximately 550 cu. ft., £245.
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1958 AUSTIN A35 van, guaranteed, £375.

## THE CAR MART. LTD.,

WELSH HARP, EDGWARE ROAD, N.W.9. Hendon 6500.

798-69 B3 /

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1958 AUSTIN A40 van, green, low miletage, good tyres, £340, A40 van, green, good condition tyres, £340, A40 van, green, good condition and the state of the state

1946 5-ton AUSTIN, very good condition, including tyres, £80. Phone, High Wycombe 1094. 798-259

1955 5-ton petrol long-wheelbase boxvan. 1952 2-ton petrol long-wheelbase boxvan.

ARLINGTON MOTOR CO., High Rd., Ponders End. Enfield, Middx. Phone, Howard 1266. 798-514 A Enfield, Middx. Phone, Howard 1400.

WRAY PARK GARAGES offer three 5-ton longwheelbase drop-sided trucks, one N.C., two F.C.,

1950 AUSTIN 2-ston N.E., 1800 tyres, clean

1950 Austin, ready immediate use, £175.

798-277 Reigate 2263.

A USTIN 25-cwt., very good condition throughout, £110.

Cavendish Motors, Cavendish Rd., N.W.6. Willesden
798-293

1958 AUSTIN A35 5-cwt. van (green) for sale, first inspection welcomed, £380 o.n.o.

C. BUSHELL AND CO., LTD., Agricultural Merchants. Camberley, Surrey.

OSTIN B.M.C. diesel van, late 1955, 850 cu. ft., as new, £600. Walkers Filling Station, Ecclesfield. nr. iteld. Phone, Ecclesfield 3667. 798-500

Austin Wanted

W.E.M. MOTORS (WIMBLEDON). Cherrywood
for your Austin. whether a truck, a tipper, a tractor, or
a Luton van. W.E.M. Motors (Wimbledon). Cherrywood
4322, 4568. A USTINS wanted, trucks, tippers, vans. etc. G.T.C. (Commercials), Ltd., 65 Rennets Wood Rd., Eltham, 8253.

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SHUKER'S OF SHEFFIELD, LTD.

OFFICIAL BEDFORD dealern since 1932. Recommended for new or good used Bedfords, all models sent anywhere in Pr-tain.

TIPPERS a speciality, petrol or diesel. Why not send your inquiries? A "traight deal and real value 56-60 BROAD ST. Sheffield, 2. Phone 20311 (four zzz-775

E. J. BAKER AND CO. (DORKING), LTD. BEDFORD

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NOUIRIES will be welcomed for used commercial verticles of all types from our large and comprehensive stock, including the following.—

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HIRE-PURCHASE, part-exchanges welcomed. See also under New Goods Vehicles—Bedford.

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STAINES. Staines 4211 (five lines).

BEDFORD CA van, excellent condition, small places, extra p

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4 X 2, 4 x 4, unregistered ex-W.D. low mileage, also very excellent selection of OY trucks with V.G. cabs. Cundey and Stewart, Ltd., Alfreton, Derbyshire. Phone. Leabrooks 47% art. SALE. 1955 BEDFORD S-type 7-ton flat lorry, fitted Leyland Comet engine, very good condition, replaced

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AND J. RIDING, LTD., Longridge, nr. Preston.

Lancs. Phone, Longridge 3241.

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OUR REPUTATION IS YOUR GUARANTEE. SELECTION OF OUR RANGE OF

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COMPREHENSIVE RANGE OF USED VANS AND PERSONNEL CARRIERS ALWAYS AVAILABLE.

1958 300-cu.-in. diesel 7-ton long-whee'base forward-55-gal. fuel tank. 1956 3-ton petrol long-wheelbase truck.

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FOUR 1952 S-type BEDFORDS, 10-cu,-yd. steel bod'es, 798-55
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1955 7-ton BEDFORD R6 diesel, 17-ft. platform, 900 by 20 tyres, £475.
WEST TOWN DIESELS, Broad St. Garage, Dewsbury, 798-180

Page 13003.

1954 BEFFORD S type 7-8-ton 7-cu-yd. Weston condition, £345. W.E.M. Motors (Wimbledon), 506-508 Kingston Rd., London, S.W.20. Phone, Cherrywood 4322, 4568.

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JEW BEDFORD 6-ton short-wheelbase normal-control Chassis-cab, diesel. JEW BEDFORD forward-control truck, Leyland Comet engine.

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1957 BEDFORD 10-12-cwt. van, grey, £395.
1957 BEDFORD 5-ton truck, £775.

956 BEDFORD 5-ton long-wheelbase truck. £645. 954 BEDFORD Dormobile, 2-tone, £375.

949 BEDFORD 8-ton tractor unit, £155.

951 Spurling 3-way van, £185. 952 BEDFORD 5-ton long-wheelbase truck, £295. 956 Grosvenor Grafton, maroon, ivory, £425.

956 BEDFORD Utilabrake, colour red, £425. the new BEDFORD at our showroom

HIRE-PURCHASE facilities, insurance and taxation can be arranged while you wait. PART-EXCHANGES welcomed.

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1955 Short-wheelbase steel-bodied tipper for quick sale. Hamblins Garage, Rectory Rd., Rushden

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T J. RICHARDSON AND SONS, LTD., 190 Dudger
Broadwell 1840.

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1956 1954 MAYE

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1956 CA-type open dairy truck, Osborne conversion, motor, very took distribution or greengrocer, nice clean motor, very took conditions of greengrocer, nice clean motor, very took of the condition of the condition.

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1954 BEDFORD 7-ton short-wheelbase steel-bodied Automobile Co., Ltd., 380 London Rd., Croydon Thornton Heath 8426. 1958 BEDFORD 5-ton platform truck, petrol, 825 by 20 tyres, C licence owner, retired, 12,000

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1959 BEDFORD 5-ton long-wheelbase diesel tipper.
1950 BEDFORD 5-to

GLOSTER GARAGE, LTD., 117 Whitehorse Rd., West Croydon. Phone, Thornton Heath 5224, 7500. COOMBS, main Ford dealers.

1950 BEDFORD 30-cwt. normal-control van in between the control black, K model, a very reliable vehicle, good tyre equipment, wonderfully maintained, £150.

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1956 BEDFORD 4-ton petrol, fixed-side truck,
THE new BEDFORD van and Workabus, etc., from stock.

stock. 92<sup>-94</sup> STAMFORD HILL, N.16. Stamford Hill 8444. 798-308

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GORDON KING MOTORS, LTD., Mitcham Lane, 798-311

195.W.16. Streatham 3133-4. 798-311.
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Wray Park Garages offer 1956 Bebrord 7:00 when throughout feet all steel U body, tipper, new tyres throughout, £675.

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BEDFORD. All types wanted.

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B.M.C.

1956 B.M.C. diesel 7-ton long-wheelbase drop-sided truck, in very good running order, good tyres, terms and exchanges, £550.

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HILLS.
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798-29

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1952 5-ton COMMER articulator, in good con DOMBS COMMERCIAL (GUILDFORD), LTD., Portsmouth Rd., Guildford, Surrey. Phone, Guild-62907. 1946 COMMER van, Perkins P4 engine, £195, Acorn 798-355

1956 COMMER TS3 diesel 7-ton long-wheelbase truck, 18-ft, drop-sided body, choice of two,

ES50 each, COMMER TS3 diesel 7-ton tipper, excellent 1956 order, £850, artic, unit, diesel, 2-apeed axle, COMMER artic, unit, diesel, 2-apeed axle, Unit, diesel, 2-apeed axle, Unit, diesel, 2-apeed axle, TS45, artic, unit, diesel, 2-apeed axle, TS45, artic, art

BURGH HEATH SERVICE STATION. RIGHTON RD., Burgh Heath, Surrey. Phone, Burgh BHeath 2059.

B Commercials, choice of over 12 5-12-wit, vans, all makes, from £185-£310.

1956 COMMER TS3 7-ton long-wheelbase drop-side ERRINGTONS, Evington, Leiester. Phone 38102-3.
798-422

Commer Wanted COMMERS wanted, trucks, tippers, vans, etc. (Commercials). Ltd., 65 Rennets Wood Rd., Eltham, 798-330

**DENNIS** 

DENNIS Max 8-ton diesel trucks, unregistered ex-£420 each.

W. VASS. LTD., Ampthill, Bedford. Ampthill
222-697

MAX, fitted with DENNIS engine, overdrive gear-boxes, 20-ft platform bodies, 9.00 by 20 tyres, choice of six, all in very good condition, ready to go to

MAYFAIR GARAGE (TAMWORTH), LTD., COLESHILL ROAD, FAZELEY, TAMWORTH, STAFFS.

1955 DENNIS Stork diesel (P4) delivery van, in good condition, £475.

BRYAN BROS., LTD., The Ceatre, Bristol, 1. Phone 21491.

DODGE

1954 DODGE 7-tonner, Perkins P6, 17-ft. alloy plat-form in really good condition, c500. Transport Repairers, Liverpool. Central 9421. 798-188 1952 DODGE Kew 103 AP6 tractors and 22-ft. double landing wheels, 825 by 20 tyres, clean whick, H-, avail-able, 8235. 9 Newthorpe Common. Eastwood, Notts, Phone, Langley Mill 2623. Evenings 3000. 798-246

February 13, 1959—THE COMMERCIAL MOTOR 47

Used Goods Vehicles (contd.)

MAIN DODGE DISTRIBUTORS. FERRARIS OF CRICKLEWOOD, LTD., 200-220 CRICKLEWOOD BROADWAY, N.W.2. Gladstone 2234-5-6-7.

LL new models prompt delivery.

ALL new models prompt delivery.

FULL range of spares for all models.

SALES and service. Perkins diesel service.

SEE our Miscellaneous Section advertisement for used 798-443

1953 DODGE 3-ton boxvan, aluminium body, good condition throughout, £225. Aerodrome Autos. 798-206

1954 DODGE P4 diesel 2-ton drop-side truck, excel1954 Ent condition, £325, Edaware 2572. 798-239
1956 DODGE 140/AR8 7-ton long-wheelbase drop1956 DODGE 106/AP6 6-ton long-wheelbase drop1956 DODGE 106/AP6 6-ton long-wheelbase drop1958 diet truck, 2-speed axle, shock absorbers. West
1950 Bromwich 6778.

Dodge Wanted
WANTED, DODGE, 1951 onwards. Phone or write HANDLERS MOTORS, LTD., 71 Greenwich South St., London, S.E.10.

GRE 2033-4.

W.E.M. MOTORS (WIMBLEDON). Cherrywood carded DODGE van, truck or tipper. W.E.M. Motors (Wimbledon). Cherrywood 4322, 4568. WANTED urgently, DODGE, 1954 onwards. Road Motors, Ltd., Hadleigh, Essex. Phone

E.R.F.

E.R.F.

Tractor and Brockhouse tandem axie pole semi-trailer, also E.R.F. with single axie pole semi-trailer, also E.R.F. with single axie pole semi-trailer, both units fitted with 5LW Gardners. Son. Old Rd., Bromyard, Herefordshire. Phone, Bromyard 3133, Munderfield 258.

FEBRUARY 1, 1945, E.R.F. tractor with 5-cylinder lagged, insulated and epicote-lined, approximately \$900 being spent on this vehicle during 1958, six brand new tyres.

LANCASHIRE MOTOR TRADERS, LTD., Liverpool St., Manchester. Pen 5201; night, Main 2461. 798-7144 1948 E.R.F. 8-wheeler, 24-ft. platform, 6LW engine double drive, in good running order, £575

Terms and exchanges.

RUSH GREEN MOTORS, Langley, Hitchin, Herts.
Stevenage 175.

798-346 1958 E.R.F. 8-wheeler, 24 ft., drop-side, 6LW double-drive, one owner, cost new £5.300. accept

£3,900 o.n.o. JOHNSON TRANSPORT, LTD., Tunstall, Stoke-on-Trent. Phone 88841, 798-495

FODEN

PODEN 12-ton 6-wheel trucks, unregistered, Gardner GLWs, on 14.00 by '0 big single tyres, £900 each; 36 by 8 twin rears, £1,000 each. L. W. Vass, Ltd.. Ampthill, Bedford Ampthill 3255.

PODEN 24-ft, platform 8-wheeler, double drive, Gardner GLW, date of registration May 1951.

LWAYS a selection of sound used lorries and vans. hire-purchase, settlements, etc.

LOUGH AND WHITMORE, LTD., main Vauxhall-DOUGH AND WHITMORE, LTD., main Vauxhall-22221-2.

DG. 6-12-ton 21-ft. platform lorry, fitted with FG-type cab and steering, reconditioned Gardner y LW engine, general condition very good.

MAYFAIR GARAGE (TAMWORTH), LTD.,

COLESHILL ROAD, FAZELEY, TAMWORTH, STAFFS. Phone, Tamworth 1396-7.

BIRMINGHAM COMMERCIAL OFFER:

1952 FODEN 6-wheeler. S.A. boavan body with owner, serviced by makers from the 1952 FODEN 6-wheel tipper, new 18-ft. 6-in. body rebuilt, tyres 900 by 20, as new all round.

TERMS AND EXCHANGES.

560 COVENTRY ROAD. BIRMINGHAM, 10. Phone, Victoria 0437-8.

1948 6-wheeler, 6LW, platform, cheap to clear.
1951 8-wheeler, 6LW, drop-side, reconditioned.
RYLAND GARAJE, LTD., Ryland St., Birmina-ham 16. Edgbas on 4501-5. Grams, "Diesel."

N). LTD. ERS.

k of the hrstou make your s tollows:— normal-control Leyland Comet

is, 750 cu. ft., D, new 1,000 80.

y, £395. truck, £645. £375. £155.

truck, £295. vory, £425. red, £425. nd taxation can

out under no faily and 5 p.m. N). LTD.

IGTON 0022-8. 798-411

DFORDS. ABLY PRICED NG:— ewt. vans. large at reasonable uton van, good e boxvan, £150.

ain, £345. ton long-wheelvan, £850.

S TERMS.

RY.

NED ENGINES ANY VEHICLE 1T

RE.

rop-side tippers, Anthony tipper, 798-234 ater Busette, red-450. very good con-

tipper for quick bry Rd., Rushden 798-133 ody tipper, recon-eres, £285; choice base tipper, 8.25 rbox, £175. TD., 100 Dudley ingham. Phone. 798-113

#### Used Goods Vehicles (contd.)

FODEN, first registered February, 1955, FG6/12, 14-ton, long wheelbase, 20-ft drop-side body, one Colicence owner, mileage 40,000 from new, price \$2,459. licence owner, mileage 40,000 from the control on the control on the control of t

1945 FODEN 8-wheeler, 6LW booster box, 40 by the tyres, really nice condition, £575. Edgwart 798-23

FODEN 8-wheeler, 1948, reconditioned Gardner engine, oil boost brakes, platform body, good 40 by 8 tyres, 1,250. on Boost brakes, platform body, good we by a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platform body, good we be a Statistics of Boost brakes, platfo

1951 FODEN FG model 6-wheeler, 22-ft. platform body in excellent running order, £950. Terms and exchanges.

1951 FODEN 8-wheeler, FG type, double drive,
Gardner 6LW engine, one owner since new,
well maintained by very large concern, £1,150, choice of

four. Terms and exchanges.

RUSH GREEN MOTORS, Langley, Hitchin, Herts.

Stevenage 175.

798-352 1951 Ex-W.D. FODEN 6-wheeler double-drive, 6LW booster box, 24-ft, flat alloy body, good, clean machine, £650. 9 Newthorpe Common, Eastwood, Notts. Phone, Langley Mill 2623; evenings 3000. 798-244

FORD THAMES AND FORDSON
4 x 4 WOT6, ex-W.D., delivery mileage only, new and
4 rebuilt trucks, also Canadians. Cundey and Stewart.
Ltd., Alfreton, Derbyshire. Phone, Leabrooks 477.

\$1,400. 7-ton Thames Trader, 160-in, when model, low milease, first registered October, 1958, an ew condition, has the following factory-fitted equipment of the model for the first registered of the first passenger years; cost new £1,590. Dispatch Mr Waterloo 4959.

1958 Aril. Thames Trader 7-ton, Telehoist 12-yd. double-drop-side steel body with tele. lever sears, 825 by 20 tyres, genuine 10,000 miles, as new, £1,400. Hartwells Garages, Ltd., 313 Banbury Rd. 798-7129

1955 4D long-wheelbase van, aluminium body with Goodman, 135 Cricklewood Broadway, N.W.2. Glad-tione 2226.

FORDSON-SUSSEX Type ET7 diese 1954 double-drive one owner from new, several from £395. W.E.M. Motors (Wimbledon), 596-598 Kingston Rd., London, S.W.20, Phone, Cherrywood 4222, 4368.

Phone, Cherrywood 4322, 4568.

1956 FORD 7-cwt. van, black and silver, no writing, 2590.

1949 FORD 10-cwt. van, nearly new engine, £110. 1955 FORD 10-cwt. van, nearly new engine, £180.

COMMERCIAL (GUILDFORD), LTD., couth Rd., Guildford, Surrey. Phone, Guild-798-171

1955 Late FORD 2-ton van. excellent condition, one owner, £435. Aerodrome Autos. Sun 0071, 798-204 1955 4D platform lorry, £395. Acorn 6911.

#### GORDON KING MOTORS, LTD., FORD AND THAMES DEALERS.

TRADER 4D diesel 4-ton chassis, fitted with 1,250-cu.-ft. low-loading Luton body, new and unregistered 1. cu.-ft. low-loading Luton body, new and unregist cx works. £1,330.

TRADER 6D diesel 7-ton chassis, fitted with 6-yd. d side steel-hodied tipper. Anthony hoist, 900 by 12-ply, flashing indicators, inhished in red. MMEDIATE delivery, list price £1,661.

1947 FORDSON 5-ton, fitted with 1,300-cu.-ft. all-aluminium Luton body, good tyres, etc., £75.

A LL Thames models in stock for early delivery; any body built to your requirements.

WE are now accepting orders for the new low-frame Trader models. Piease ask for details.

MITCHAM LANE, S.W.16. Streatham 3133-4, 798-309

1950 FORD P6 diesel 5-yd. drop-side tipper, £250. 1951 FORD P6 diesel 5-ton long-wheelbase truck, 1952 FORD P6 diesel Sussex 6-wheeler, £195. 1953 FORD 4D diesel 2-ton van, £325. 1952 FORD P4 diesel 2-ton van, £325.

EDGWARE 2572.

## FRANK G. GATES, LTD.,

MAIN FORD DEALERS GATES CORNER, E.18.

UNREGISTERED Trader, 3-ton short-wheelbase diesel truck, £850.

1958 Thames 15-cwt, van, works painted, choice of two from £450.

1953 FORD 10-cwt, Utilecon, fold-flat seats, £245.

1955 FORD 30-cwt. van. £425.

1954 FORD 10-cwt. builders' truck, £175.

1950 FORD 10-cwt: all-steel Luton body, very good condition, £190.
FORD 2-ton 4D Luton, 750 cu. ft., £675. 1956

1951 FORD 5-ton truck, £150.

1958 FORD Squire, in showroom condition, low mileage, £565.
1953 - 4 FORD 5-cwt., in very good condition throughout, £150. Cavendish Motors, Cavendish A. N.W. 6. Willesden 0046-8.

#### Used Goods Vehicles (contd.)

1953 Thames 5-ton pantechnicon, approx. 1300 cu. ft, E475. Henry Oliver, Ltd., Ford distributors, 73-88 Bridge St., Northampton. Phone 3510.

951. Northampion. Phone 3510.
798-x4880
1956 FORD 4D diesel artic. with 20-ft. Tasker
1956 FORD 4D diesel long-wheelbase truck, £450.
1955 FORD 4D diesel Luton van, good running
order, £375.
1952 FORD 4D diesel Luton van, good running
order, £375.
1952 FORD 4D diesel long-wheelbase truck, clean
1952 FORD 4D diesel long-wheelbase truck, clean
1952 FORD 4D diesel fong-wheelbase truck, clean
1954 FORD 4D diesel FORD tipper, steel body.
1954 GREEN MOTORS. Langley, Hitchin, Herts.
798-350

1783-38

1955 Late, FORDSON diesel Sussex Light 6-wheeler, sides, and fitted extra rail swingdown sides, making 4-ft. adost if required for agricultural or bulky loads, very useful tarm work. Double-drive will puil out of soft ground. If the state of t

PORD 5-cwt. vans, choice of two, both are fitted with extras and both in excellent condition, equal to new.

L. BAKER AND CO. (DOAKING), LTD., 273
London Rd., Staines. Staines 4211. 798-320

DARTON TOWNLEY, LTD. Lancaster, ophone of the following th

Ford Thames and Fordson Wanted

WANTED, FORDS, 4D vans and Perkins, all capacities. Chandlers Motors, Ltd., 71 Greenwich South St., London, S.E.10, Gre 2033-4. 798-289 South St., London. S.E.10. Gre 2033-4. 798-298

W.E.M. MOTORS (WIMBLEDON). Cherrywood alive you our price before deciding to sell. W.E.M. Motors (Wimbledon). Cherrywood 4322, 4568. a 508. 798-212

WANTED. FORD 4D, low mileage, 1957 onwards, Church Road Motors, Ltd., Hadleigh, Essex. Phone, Phone, Church Road Motors, Ltd., Hadleigh, Essex. Phone, 198-462

#### G.M.C.

#### G.M.C. Wanted

G.M.C. 6 x 6, wanted, also spares, Robert Ware, Herts. Stanstead Abbots 301.

#### GUY

GUY (ex bus) platform 10-ton, good tyres, sound mechanical, Salvage Co. Dumfries. Phone 533.

JENSEN long-wheelbase diesel platform, 1948, £325. Edg.

#### JEN-TUG

JEN-TUG with two trailers, unregistered, oractically unused, ideal internal works, price £275.

A PPLY: Sworder (Motors), Lane End, High Wycombe, 199-7140.

#### **JOWETT**

1953 Bradford van. £85.
COMBS COMMERCIALS (GUILDFORD). LTD..
portsmouth Rd., Guildford, Surrey. Phone, Guildford, Surrey.

#### KARRIER

 A unregistered low-mileage ex-W.D. trucks, c./
winches if required. Cundey and Stewart, Ltd
eton, Derbyshire. Phone, Leabrooks 477. zzz-64 1953 KARRIER Bantam tractor, J-type coupetrol, good condition, £250. Hounslow RAY POWELL, LTD., offer:-

1957 KARRIER Bantam diesel truck, 650 by 20 tyres, 3,000 miles only, vehicle as new, £865. RAY POWELL, LTD., Eastern Avenue, Ilford, Essex, Valentine 0123.

LAND ROVER
1954 LAND-ROVER, good condition, £375.

1954 LAND-ROYER, excellent condition, many extras, £430.
1951 LAND-ROYER, excellent condition, many extras, £430.
1951 LAND-ROYER, new engine fitted, £285.
1951 LAND-ROYER, new engine fitted, £285.
1952 COMBS COMMERCIAL (GUILDFORD), LTD., Guildford £2907.
1978-172

#### LEYLAND

EYLAND Lynx diesel gulley emptier. £375. H. L Thomas and Son. Maidenhead 588. 799-x4514 L 715-cu.-ft. van body, recently £900 spent on everhaal, exceptional condition throughout, £325. Portway Garage, kingswinford 3086.

NINESWINTORD 3086. 198-7139

LEYLAND Comet diesel, twin-ram tipper, £1,000, 1952 LEYLAND Comet diesel, twin-ram tipper, £950, LEYLAND Comet diesel, twin-ram tipper, £950, 1952 LEYLAND Comet diesel, twin-ram tipper, £950,

950 LEYLAND Comet diesel, twin-ram tipper, £850. SHINGLER, The Poplars, Liverpool Rd., Bicker-staffe, near Ormskirk. Skelmersdale 220.

1950 LEYLAND 8-wheeler, 600 engine, 24-ft. flat. had new late-type cab fitted, reconditioned engine and gearbox, heater, D20 tyres on rear, webin very good condition, price £2,300. Vehicle working, can be seen week-ends. Hott, 12 Granville St., Leist, Lanes. Phone 1294.

Lancs. Phone 1221956. Criober, LEYLAND Comet long-wheelbase
tional condition, \$1,500.

Cox S. MOTORS 'HILL TOP), LTD., 127 Hill 70p.
West Brotswich. Phone, Wednesbury 0470 and 1047,
798-100

L EYLAND Comet flat truck, late 1949, recently conditioned engine. Kirk's Motors, Longdales Rd. Lin-

#### Used Goods Vehicles (contd.)

1950 LEYLAND 8-wheeter, 600 engine, double-drive, 24-ft. platform body, in good running order, RUSH GREEN MOTORS, Langley, Hitchin. Heris.
798-353 EYLAND Hippo, ex-Ministry, unregistered, 36 by 8

L twin rears, low m'leage, 6600,

H F A. DOLMAN, LTD., 186 Carlton Avenue, Southred, end-on-Sea. Phone 43262.

798-426 HIPPO tipper, ex Ministry, October, 1957, registered, new gear and large alloy body fitted, suitable coal, etc., £950. RYLAND GARAGE, LTD., Ryland St., Birmingham, 16. Edgbaston 4501-5. Grams. "Diesel." 798-414 CAMPBELL PARK, LTD., offer:-

1954 LEYLAND 8-wheeler, double drive, very good condition, excellent tyres, three available now, CAMPBELL PARK, LTD. Childwall Valley Rd. Gateacre, Liverpool. Phone, Gateacre 1331. 798-482

#### MACK

TWO 6 x 6 MACK diesels, spare diesel engine, numerous spares including front and back axles, wheels and tyres, £1.000 the lot. Kerbey Motors, New Southend Arterial Rd., Hornchurch, Hornchurch 42776,

#### MAUDSLAY

THREE unregistered MAUDSLAY 8-ton diesel truck fitted Gardner 4LW engines, excellent condition, £3 each, L. W. Vass, Ltd., Ampthill, Bedford. Ampth 3255.

TWIN-STEER, 1948, fitted A.E.C. 7.7 engine, 20-ft, platform body, in very good condition. Mayfair Garage (tamworth), LTD.,

COLESHILL ROAD, FAZELEY, TAMWORTH, STAFFS. Phone, Tamworth 1396-7

1947 Mogul, 4-cylinder Gardner diesel lorry, £155, good 36 by 8 tyres, and one C-licence user, any MEADWAY COMMERCIALS, Bordesley Green Rd., 798-146

MORRIS AND MORRIS-COMMERCIAL 4 X 4 unregistered ex-W.D. M.o.S. rebuilds, also com-pressor trucks winches optional. Cundey and Stewart, Ltd., Alfreton, Derbyshiré. Phone, Leabrooks 477.

222-846

MORRIS 5-ton B.M.C. diesel long-wheelbase febou Normand, Ltd., Elg 7737, ext. 42.

MORRIS 1955 5-cwt, van, firat-class condition throughout with heater, £325. Below.

Morris MORRIS 10-cwt, van, firat-class condition through-condition thr

222-901 1956, October, 2-3-ton boxyan, petrol, in excellent Products, Ltd., Villiers Rd., Kingston-on-Thames. King-ston 5641.

### PALMERSTON OF KINGSTON.

MORRIS AND MORRIS-COMMERCIAL RETAIL DEALERS.

RELIABLE used vehicles in stock.

PALMERSTON COMMERCIAL MOTORS, LTD., 75-7 Penrhyn Rd., Kingston 5618. 798-391

1955, October, MORRIS FC diesel, Baico extensi COX'S MOTORS (HILL TOP), LTD., 127 Hill West Bromwich. Phone, Wednesbury 0470 and

1955 MORRIS 10-cwt. J-type van, excellent COMBS COMMERCIAL (GUILDFORD), Portsmouth Rd., Guildford, Surrey. Phone, of

1958 MORRIS 7-ton long-wheelbase 160-in. diesel with Edbro twin-ram, 900 by 20, 14-ply, power steering, heater, excellent condition, £1,495. The Barnstaple Moto. Co. Telex 46-302. Phone 2264.

1954 MORRIS LD1 boxvan, £250. Wray Park Garages. Phone, Reigate 2263. 798-280

1954 Garage. Phone, Reigate 2263. 798-284

1955, LDI MIR FRUI, CODY 100, 100 FORWARD-COMMERCIAL 20-25-cwt.

1951 MORRIS-COMMERCIAL 25-cwt. MIR Float, crates, good engine and general condition, gift at £115 in cream and white in the commercial condition gift at £115 in cream and white and general condition, gift at £15. HUKERS, LTD., the C.V. specialists, 56-60 Broad St. Sheffield, 2. Phone 20311 (four lines); after 6.30 p.m. hopee 23280.

#### SCAMMELL

SCAMMELL 6 x 4, ex-W.D., with wirch, 30-ton tractor unit, in first-class order, tyres as new. APLY, Sworder (Motors), Lane End, High Wycombe, Bucks. Lane End 234. '99-7142 SCAMMELL MH6 and MH3 units and trailers; several special vehicles, pole wagons, low-loaders available. Spares. Tilleys, Lid., Wolverton, Buckinghamshire.

1951 SCAMMELL 8-wheeler, 40 by 8 tyres all round, brakes, in very nice condition, excellent runners, choice of two. 2730 each MMELL tractor unit, 6LW engine, 6-speed 1950 box, all rbakes, one owner since new, exceptionally clean and in good condition; also a number of other Scammell tractors.

other Scammell tractors.

R USH GREEN MOTORS, Langley, Hitchin, Herm.
Stevenage 175.

Two 1946 25-ton SCAMMELL tractors, 6LW Gardine Tully floating axle, on 40 by 8 twin tyres, £650 each Kerbey Motors, New Southend Arterial Rd., Hornchurch 42776.

798-449

1945 SCAMMELL 40-ton winch truck tractor, 6LW
Gardner, good condition throughout, £450. 9
Newthorpe Common, Eastwood, Notts, Langley Mill.
2623, evenings 3000.

Used Go

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HILLS.
SEDDON
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nase 160-in. diesel t. drop-side body ly, power steering, Barnstaple Motor 798-300 798-340 250. Wray Park 263. 798-280 RCIAL 20-25-cwt. p. forward-control. cream. 5-ciwt. Milk Float, cially built to take tion, gift at £115;

sound jobs. Sent

inch, 30-ton tractor iew. d, High Wycombe, 799-7142

y 8 tyres all round, peed gearbox, air runners, choice of

y, Hitchin, Herts. 798-348 ors, 6LW Gardner, in tyres, £650 each, il Rd., Hornchurch, 798-408

truck tractor, 6LW roughout, £450. 9 ts. Langley Mill. 798-245

Used Goods Vehicles (contd.)

RIGID 8 SCAMMELL 2,000-cu.-ft. Luton van, 6LW Gardner, high-speed axie, good tyres, any trial, £875.
798-333

SEDDON 1949 SEDDON Mk. 5, P6, 17-ft. platform, well shod and a good runner, £300. Cottee and Edwards, Ltd., Nottingham. Phone 52213. 798-65 1951 SEDDON Mk. 4 bus chassis and cab, suitable for 20-ft. body, £400. Cottee and Edwards, Edwards, 52213.

1951, Fitted with reconditioned P6 engine, 20-ft.
FITTED with P6 engine, 17-ft. 6-in. platform body, good
tyren, very good condition.
1953, platform semi-trailer, the whole unit is in very
and condition.

MAYFAIR GARAGE (TAMWORTH), LTD.. COLESHILL ROAD, FAZELEY. TAMWORTH, STAFFS.

Phone, Tamworth 1396-7. HILLS.

SEDDON 6-7-ton long-wheelbase tipper, 14 ft. by 7 ft.
with 3 ft. sides, Pilot twin vertical sear.

SEDDON 1957 Mark 15 73-tonner platform lorry, one HILLS operate a round-the-clock 24-hour service for SEDDON. Parts despatched at any hour by post or passenger train.

IIILS GARAGES (MANCHESTER), LTD., Port St.,
Manchester, 1. Phone, Central 4311. Grams, Hillscars, Manchester. DEDDON 1949 Mark 5L, Perkins P6, 6-7-ton drop-side body, one C-licence owner, price £350.

PEPPERS GARAGE (NANTWICH), LTD., London Rd., Nantwich, Cheshire. Phone 65591.

799-7154 1950 SEDDON diesel short-wheelbase tipper, Perkins P. J. RICHARDSON AND SONS, LTD., 100 Dudley Rd. East, Oldbury, nr. Birmingham, Phone, Broadwell 1840. 1954 SEDDON 6-7-ton boxvan, aluminium body and cab, one owner, 90% tyres all round, excelent condition throughout, £645. Aerodrome Autos. Sun arri. 798-205 DEDDON, 1947, short-wheelbase hydraulic tipper, Perkins P6 engine, 2-speed axle, wooden body, £175 nearest. W.P. and H. Co., Ltd., Knotford Nook, Otley, Phone 3264. 3264. 1951 SEDDON Mk. 5, P6 engine, 16-ft. platform, B20 tyres, ready for work, \$350. J. B. Shepherd, Linthwaite, Huddersfield. Phone, Shaithwaite

1956 SEDDON 30-cwt. P3 diesel van, side stident front end, £450. Adeocks Garages, Ltd. Phone. Chichester 2415.

Chichester 2415. 798-x4882
1951 SEDDON 5L 7-tonner, alloy drop-side body, choice of two, reasonable price.
1951 SEDDON 7L diesel 3-tonner, 14-ft. flat, exbreery vehicle.
1954 SEDDON 5L 7-tonner, 16-ft. drop-side, repainted, ready for work, good tyres.

PARTEXCHANGES or terms. New SEDDONS sunnited. RYLAND GARAGE, LTD., Ryland St., Birmingham, 16. Edgbaston 4501-5. Grams, "Diesel." 798-412

STANDARD

1956 STANDARD 7-cwt, van, one owner, low mileage.
E. J. BAKER AND CO. (DORKING), LTD., 273

London Rd. Staines, Staines 4211. 798-319 1957 6-cwt. van. exceptionally clean, plain dark blue. 798-429

THORNYCROFT

4 X 4 unregistered ex-W.D. trucks, very good selection. Under and Stewart, Ltd., Alfreton, Derbyshire. Phone, Lepabrooks 477, 222-631 THORNYCROFT Trident, 1952, with separate van body, length 15 ft 10 in., width 6 ft. 5 in., height 7 ft. 3} in., unladen weight 4 tons 4 cwt. 58 lb., one owner, HILLS GARAGES, Port St., Manchester. Central 4311.

THORNYCROFT 8-wheeler double-drive, air new, very clean and in good running order, £1,250, any RUSH GREEN MOTORS, Langley, Hitchin, Herts, Stevenage 175.

Thornycroft Wanted
Thornycroft Amszon 6 x 4 chasis, any condilion. Price and particulars to H. Sellers (Leeds).
Ltd., 79 Clarence Rd., Leeds, 10. Phone 34291.
799-7104

TROJAN

WANTED, TROJAN low-mileage models, 1955
Essex. Phone, Hadleigh 57271. 798-463

VOLKSWAGEN FERRARIS OF CRICKLEWOOD, LTD.

200-220 CRICKLEWOOD BROADWAY, N.W.2.

Gladstone 2234-5-6-7. 1956 VOLKSWAGEN van in blue, excellent con-

1955 VOLKSWAGEN 15-cwt. pick-up, one owner from new and used for very light work, 2365. Grovenor Motors, 209 London Rd., Sheffield 51410. 798-18

**VULCAN** 1950 VULCAN medium-wheelbase tip wooden drop-side body, £300. Edwards, Ltd., Nottingham. Phone 52213. Used Goods Vehicles (contd.)

HILLS.
VULCAN P6 diesel van, first registered 1949. HILLS GARAGES, Port St., Manchester. Cen 4311.

1947 VULCAN P6 long-wheelbase truck, very clean, good working order, £150. Edgware 2572. 1952 VULCAN 7G tipper, 4LW engine, 6-cu-ya, body, good condition, £450, LD, \$5.61 LD, \$5.61 LD, \$5.61 LD, \$5.61 LD, \$6.81 LD,

UNCLASSIFIED

THE MILLBURN ORGANIZATION. PRESTON: LONGTON 3255. GLASGOW: BELL 0073. CARLISLE: 25422. AUTHORIZED DEALERS, ALBION, FORD COMMERCIALS.

NEW ALBION Reiver 6-wheel chassis, 6-speed gearbon JEW ALBION Clydeside chassis, 6-speed gearbox. JEW-TYPE ALBION Chieftain chassis and cab.

TEW Thames Traders, 6-cylinder diesel engines, 5- and 7-ton models. Other Thames models 5-cwt. upward. TEW York 25-ft. trailers with Scammell coupling.

1956 B.M.C. 7-ton discel long-wheelbase platform lorry. Also a number of 1948 Albion F13 lorries, fresh clean vehicles, ox brewery.

1955 Septiember, SEDDON long-wheelbase platform lorry of 1955 lorry, 5-speed gearbox, 2-speed axle, unladen weight 2 tong 15 cell, very clean, good tyres, 1954 unit, very fleng, good tyres, 1954 unit, very fleng condecibase lorry, Gardner 4LK 1952 VANGUARD 10-cwt, van,

1942 MAUDSLAY S-wheeler, 9.6 A.E.C. power unit, good mechanical order, 1943 SEDDON, 76 unit, good order.

1948 A number of ALBION FT3 petrol long-clean, good lyres, Matador 4 by 4, unregistered, petrol unit, all as new and complete with winch.

A Number of LEYLAND Beaver lorries, 6-cylinder diesel. A Number of LETERAL Dyson draw-bar trailers. A Number of Cranes and Dys ALSO a number of containers.

FORK-LIFT TRUCKS.

FORK-LIFT trucks, 3,000- to 6,000-lb. capacity, 9-ft. and 12-ft. lift; also Morris Versatile 5-ton Mobile crane, electrically operated with Perkins P4 diesel unit mounted on 4-wheel chassis, all in new condition.

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MILLBURN MOTORS (PRESTON), LTD. WALMER BRIDGE, LONGTON, PRESTON. Phone, Longton, Lancs, 3255-6. 7

B.M. C. Diesel 5-ton long-wheelbase drop-side truck, 20 tyres, £725.

BEDFORD petrol van, 600 cu. ft., very good order, £190. OMMER artic. 20-ft. trailer, unit fully overhauled, reconditioned P6 engine, Hydrovac fitted, £525, com-MORRIS J-type van, 1953, very good order, £190.

SCAMMELL 6LW 8-wheeler, 24-ft, flat, 900 x 20 tyr first registered 1.8.46, excellent condition throughout E750.

New Thames vans and trucks for immediate delivery.

ET us quote you for special bodies and for the Trader 6-wheeler, with 24-ft. flat.

7-DAY REPAIR SERVICE.

MAIN FORD DEALERS.

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TIPPERS!

SEDDON Mk. 5L long-wheelbase tipper, 1956, Eaton 2-speed axie, 9.00 by 20 tyres, £1,125. SEDDON Mk. 5L long-wheelbase tipper, 1956, Eaton 2-speed axie, 9.00 by 20 tyres, £1,095. See angine recently fitted, tyres good, £975, 1956, new engine recently COMMER TS3 tipper, 1955, 7-tonner, tyres (air, £925. BEDFORD 6-ton tipper, 1958, Bedford engine, one owner, £895, BEDFORD 7-ton tipper, 1957, diesel, very clean, £850. ODGE 144AR6 tipper, 1954, tyres reasonable, a clean vehicle, £850.

COMMER diesel tipper, 1954, reasonably clean vehicle, £504. C £595.

DODGE 103AP6 tipper. 1951, new engine recently fitted, tyres fair, £395.

LONG-WHEELBASE TRUCKS

GUY Otter 1953 long-wheelbase truck, alloy body, P6 DODGE 1949 petrol long-wheelbase drop-side, wooden body, £175.

DEMONSTRATION WITHOUT OBLIGATION COVENTRY AND JEFFS. LTD.,

COMMERCIAL-VEHICLE SPECIALISTS, STAFFORD STREEF, BRISTOL, 3. Phone 6-4661. 798-138

February 13, 1959—THE COMMERCIAL MOTOR 49
(Supplement)

Used Goods Vehicles (contd.)

HARRY DANDO,

VAUXHALL AND BEDFORD MAIN DEALERS, WEST END GARAGE, CHIPPING SOBBURY, BRISTOL. Chipping Sodbury 2277 (four lines).

NORK trailers. We stock the full range of the new monograph south trailers, including Scammell-coupling monograph southers are supported by the state of the realists, 25 ft. nong. TRADE for Witshire. Gloucestershire. Somerset, Devon and Cornwall.

NEW VEHICLES.

A.E.C. Mustang chassis and cab, takes 21-ft, body, 43,612.

A.E.C. \$3,612.

A.E.C. \$1,025.

Mercury Mark II tractor unit, fitted with trailer, knock-out axle, £4,342.

A.E.C. Mercury Mark II tractor unit complete with used Carrimore 25-ft, platform trailer, S.A.E. coupling, complete outfit £3,351 13s. 6d.

BEDFORD 6-ton medium-wheelbase (132-in.), fitted with body, £1,720.

Martin Walter and wood drop-side body, £1,720.

Martin Walter application of the coupling complete outfit £3,351 13s. 6d. Deliot twin room body, £1,725. Martin Walter ambulance mounted or Deliot-2-cwt. chassis, two stretchers, four or five sitting patients, complete in every detail, registered but unused

SPECIAL A-LICENCE VEHICLES.

BEDFORD 1957 Boys trailing-axie 6-wheeler, R6 engine, platform body, good condition throughout, 4-ton 10-cwt. West Midland licence, expires Octoner 31, 1959. GUY Otter 1953, P6, 2-speed axie, fair condition, 2-ton 1961.

LONG WHEELBASE.

DEDFORD 1957 R6 Boys rigid 6-wheeler, exceptionally good condition throughout, £1,700; choice of two. DEDFORD 1953 A-type Luton van, exceptionally good condition, petrol engine, just fitted with new body, albion engine, the complete machine is an abody. Albion engine, the complete machine is in exceptionally good condition throughout, £1,200. DEDFORD 1953 A-type 5-ton standard long-wheelbase platform one very careful owner since new £400. DEDFORD 1954 A-type F6 long-wheelbase, double-drop-sider, one owner, good condition, tryes fair. Description one very careful owner since new £400. Description of the control of the co

Mammoth Major 1947 8-wheeler, 7,7 engine, wood floor, exceptionally well maintained vehicle in good, clean, ready-to-work condition, £900.

SEDDON 1953, P6, long-wheelbase platform, fair condition, £100.

SEDDON 1953, P6, long-wheelbase platform, fair condition, £200.

GUY Otter 19-3, P6, 2-speed rear sale, platform body, fair condition, £200.

GUY Otter 19-3, P6, 2-speed rear sale, platform body clean machine and sood mechanical condition, £400.

THORNYCROFT 19-39 long-wheelbase, diesel engine, poor condition, £200 long-wheelbase, diesel engine,

TRAILERS AND ARTICULATED.

VORK new 10-ton 25-ft. platform trailer, S.A.B. coupling, 9-00 by 20 tyres, \$728.

DYSON new 15-20-ton low-loading semi-trailer, 20 ft. in well, vacuum brakes, £1,575.

LDERSLEY 10-ton full-trailer low-loader, 12 ft. in well, vacuum brakes, complete with drawbar, knock-coupling the semi-drawbar semi-drawbar knock-coupling to the semi-drawbar ADDENSIET well vacuum brakes, complete with uranous well, ed. 550.

BedForD-SCAMMELL 1948 tractor unit, choice of two, 2100 each.

Two, 2100 each.

Tasker platform double-axle semi-trailer, air brakes.

Tasker platform double-axle semi-trailer, air brakes.

Tasker platform trailer. exceptionally good condition. Tasker I modern trailer in exceptionain good conscious in the foot of the

L EYLAND Comet, October, 1954, long-wheelbase, normal control, twin front ram tipping gear, wood body, good condition throughout, ELSTIN 1955 5-ton steel-body petrol tipper, clean condition throughout, ELSTIN 1955 5-ton steel-body petrol tipper, clean condition, E425.

COMMER 1952 P6 standard wood body tipper, £409.

SEDDON 1956 Pilot underbody gear, wood body, one-owner vehicle, in really good condition, £900, DODGE 1947 P6 medium-wheelbase wood body tipper, JULCAN 1949 P6 standard tipper, £100.

MAUDSLAY 1949 8-ton tipper, A.E.C. 7.7 engine.
Mauite good condition throughout, £600.
BEDFORD 1953 pertol 5-ton steel body, excellent condition throughout, £250.

HARRY DANDO. VAUXHALL AND BEDFORD MAIN DEALERS, WEST-END GARAGE,

CHIPPING SODBURY., BRISTOL. Chipping Sodbury 2277 (four lines).

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ER.F. DISTRIBUTORS, ROOTES AND FORD DEALERS, MANOR GARAGE, GREAT NORTH ROAD, SANDY, BEDFORDSHIRE. Phone, Sandy 271 (two lines). (Night, Northill 204)

TOP price paid for your vehicle in part-exchange Latest low h.p. terms.

### DIESEL VEHICLES IN STOCK.

NEW COMMER 8-9-ton, latest cab, 18-ft, drop-sider, air brakes, 900 by 20, TEW COMMER 6-ton Perkins diesel drop-sider.

DODGE 7-ton heavy model, 18-ft. platform, R6. E.R.F. 8-ton tipper with Eastern special A 948

FORD 4D tipper, short wheelbase, FORD 4D 16-ft. drop-sider. 956

SEDDON Carrimore 10-12-ton articulated

SEDDON Carrimore outfil.

SEDNIS Stork, 14-ft. drop-sider.

DODGE 105, 17-ft. platform.

VULCAN, 17-ft. platform.

JENSEN, all-alloy 23-ft. platform.

948 MAUDSLAY Mogul Mark II, 20-ft, platform 945 Ditto £125.

E.R.F. twin-steer, 4LW, above average.

946 ALBION CX1 8-ton 16-ft. platform.

### PETROL VEHICLES IN STOCK.

B.M.C., 7-ton tipper.

Registered COMMER 7-ton 18-ft. platform.

(Registered) COMMER QX 5-ton short-wheel
sale tipper.

COMMER QX 7-ton 16-ft. platform.

COMMER Q4 6-ton 16-ft. 6-in. drop-sider.

BEDFORD 5-ton long-wheelbase.

949 BEDFORD 5-ton long-wheelbase.

VOLKSWAGEN Microbus, 7-scater, 2-tone.

1956 FOAD 10 van. EVERAL petrol tippers, 5- and 6-cu.-yd., from £50.

OPEN ALL DAY SATURDAY AND SUNDAY

## MORNINGS. L. A. MITCHELL (MOTORS), LTD.,

DODGE DISTRIBUTORS PERKINS DIESEL SIGNHOLDERS. NEW MORRIS B.M.C. 7-ton diesel short-wheelbase 1957 MORRIS 4-ton van, £345.

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1955 6-ton DODGE diesel tipper, 2575.

1955 6-ton DODGE diesel truck; choice of two, 1953 BEDFORD 5-ton short-wheelbase tipper, g265. 1951 AUSTIN A40 10-cwt, van, £100,

1950 53 6-ton DODGE tippers, choice of four from PEDFORD OL, 4 by 4, with Anthony steel body and better gear, very good condition, £165. BALHAM HIGH RD., S.W.12. Phone, Bal 2234. BALHAM HIGH RD., S.W.12. Phone, Bal 2234.

### TILBURY'S (SO'TON), LTD., CENTRAL STATION BRIDGE ROAD, SOUTHAMPTON.

Phone 24731. SEDDON DIESEL DISTRIBUTORS.
COMMER/KARRIER MAIN DEALERS (HEAVY).

## PART EXCHANGE ARRANGED.

TERMS FROM 10% 1955 DODGE diesel 106, fitted with 17-ft, 6-in, plat-owner, excellent condition.

1955 SEDDON Mk. SL, fitted with 17-ft, platform body, de aixe cab, one owner, above average

1955 SEDDON diesel Mk. 5L, fitted with de luxe cab and 16-ft, platform body, one owner.

SEDDON diesel Mk. 8, P6, Scammell tractor

1951 seddon diesel Mk. 8, P6, Scammell tractor
1950 SEDDON diesel Mk. 5L tractor unit with
250 Carrimore coupling.
250 SEDDON diesel Mk. 5L articulated tractor
250 seddon diesel mk. 5L tractor unit with
250 seddon diesel mk. 5L tractor unit with
250 seddon diesel Mk. 5L articulated tractor

#### ROOTES, LTD.,

OFFER FOR SALE THE LARGEST STOCK OF USED VEHICLES

FROM THIS SELECTION.

BIRMINGHAM GREAT HAMPTON STREET. CEN 8411.

1948 COMMER 5-ton 18-ft. drop-sider, petrol, £100. 1954 BEDFORD 7-ton diesel drop-sider, £550.

1955 FORD 4D 5-ton drop-sider, £450.

1951 BEDFORD 5-ton drop-sider, £175.

1949 FORD 2-3-ton drop-sider, £50.

938 ALBION 8-tonner, 5LW, rebuilt, £185.

AUSTIN A40 van, very good condition, £315.
1957 COMMER express delivery van, 1,000 miles, 1953 BEDFORD 5-ton tipper, petrol, £390.

1950 SENTINEL 8-ton drop-sider, DI diesel engine,

OLYMPIA, CHESTER ROAD, BLA 6677.

1958, June, 30-cwt. COMMER forward-control diesel dition, used for demonstration only, mileage 3,000, cost £1,030, £895.

MAIDSTONE

LEN ENGINEERING WORKS. PHONE 3333.

1958 AUSTIN A35 van, petrol, black, £375.

1958 ASSI NASS van, petrol, black, £375.
1955 FORD Thames P6 drop-side truck, diesel, brown, £500.
1955 FORD 4D platform truck, diesel, blue, £425.
1957 COMMER express delivery van, petrol, antelope and pearl grey, £395.
1957 COMMER 5-ton platform truck, diesel, blue, £425.
1957 COMMER 5-ton platform, diesel, green, £1,385.

#### HIGH STREET

CHATHAM 42231. 1945 FORDSON 4-ton van, brown, one owner, 199.
1950, November, Bradford van, ereen, mechanically sound sood tyres, £159.
1957 GOMMER CD bight van, green, one owner, good condition, heater, £399.
1957 COMMER ED van blue, one owner, as new, excellent condition, £390.
1956 COMMER ED van maroon, good running COMMER ED van maroon, good running 1947 and good running order, £125.
1953 MORRIS van, maroon-silver, very good condition, £365.
1953 MORRIS 8 van, blue-black, good running 1958 BEDFORD van, green mechanically sound, £85.
1957 AUSTIN 10-cwt. van, grey, one owner, exceptionally clean, £399.

THE PAVILION,

PHONE 3232.

1956 COMMER Cob van, fitted passenger seat, £335.

1949 VULCAN 6-ton truck, good condition, £250. 1945 BEDFO'LD 2-3-ton cattle truck, £125.

#### G. S. OSCROFT AND CO., LTD., MAIN BEDFORD DEALERS.

1955 DODGE 145 AR6 long-wheelbase platform

good appearance.

DODGE long-wheelbase 5-ton drop-sided
per formation of the property of the p

twin front-end tipping gear, Eaton 2-speed axle, in excel-lent condition throughout OX medium-wheelbase tipper, 1952 COMMER 7-ton OX medium-wheelbase tipper, 1951 MORRIS-SAURER dieset short-wheelbase 1951 MORRIS-SAURER dieset short-wheelbase 1950 ALBION XX 5 6-wheeled tipper, double drive, win-ram Pilot tipping gear and Pilot body, new engine fitted 18 months, in excellent condition, 1950 form truck, new cab just been fitted, in excellent condition.

excellent condition.

1950 COMMER 5-ton long-wheelbase tipper, underfloor engine, twin-ram tipping gear, in fair
condition, £195.

#### VANS.

1954 BEDFORD Dormobile, resprayed in primer, dual-purpose vehicle with folding seats to 1957 BEDFORD 10-12-cwt. van in immaculate

1957 condition. 1953 BEDFORD 10-12-cwt. van, resprayed in primer, in good condition. 1957 AUSTIN A50 pick-up truck, low mileage, sood condition

#### G. S. OSCROFT AND CO., LTD., DERWENT STREET,

DERBY. Phone, Derby 40171.

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BRAND-NEW Commer TS3. Albion Christian, Bedford and similar 7-10-ton forga-nice blaze forries, with special A licences, East Midlands, politan, South Eastern and Northern Areas.

BRAND-NEW Bedford, Commer, Leyland and similar artic, forries, with special A licences, Northern Areas.

artic, torries, with special A licences, Northern price on application.

1957 (Late) COMMER TS3 7-ton medium-wh tipper, 900 by 20 tyres, body size 13 7 (t. 3 tipper, 900 by 20 tyres, body size 13 only £1.375, or available with special A licence.

1957 eide lorry, 825 by 20 tyres, been carefully used and maintained and immaculate condition, with peccal A licence, 3 tons 9 cwt., Metropolitan, South Eastern and Company a

Area, £1,659.

1955 LEYLAND Comet forward control 8-10-ton
1955 long-wheelbase lorry, 20-ft. platform, immagulate condition, appearance as brand new, only £1,375, or
available with special A licence, 4 tons 14 cwt., North
West Area

West Area.

BEDFORD 7-ton long-wheelbase drop

1955 lorry, 900 y20 tyres, clean condition.

special Model COMMER T83 7-ton long-whee

1956 lorry, very clean, £795, or available with a

licence, Metropolitan, South Eastern and Nor

Areas.

BEDFORD diesel 7-ton long-wheelbase lorry, small mileage, exceptionally clean and good, with special A licence, East Midlands Area, £1.975.

Model A.E. Bath Midlands Area, £1.975.

Albert Area £4.975.

Model A.E. Bath Midlands Area, £1.975.

ALBION Chieftain 6-7-ton long-wheelbase lorry, some properties of the properties of the

\$1,500.5 SEDDON 6-7-ton long-wheelbase lorries, very clean and good condition throughout, have to the seen, with special A licences, 3 tons East Midlands Area, choice of two from £1,475. 3 tons East Midlands Area, choice of two from £1,475. 3 tons East Midlands Area, choice of two from £1,475. 3 tons East Midlands Area, choice of two from £1,475. 3 tons East Midlands Area, choice of two from £1,475. 3 tons East Midlands Area, only special A licence, 4 tons 14 cwt. North West Area, only

1950 COMMER OX lorry, with special A licence, 1950 Northern Area, for tractor and trailer, weight tons 5 cut. £1830.

1950 COMMER OX 7-ton long-wheelbase lorry, 1950 COMMER OX 7-ton long-wheelbase lorry, 1950 COMMER OX 7-ton long-wheelbase lorry, 1950 COMMER OX 7-ton long-wheelbase lorgy, 1950 Commercial A licence, Metronolian South Enstern and Northern Areas, from £1.295.

1954 AUSTIN forward-control 5-6-ton long-wheelbase tipper, £275.

NE Luton van body, approximately 1.206 cu. ft., good LeBiOOL will fit most chassis, only £150.

NE Carrimore 4-wheeled low-loading trailer with 8-ft. 3-in, well, tyres as brand new, only £125.

NE Carrimore 4-wheeled low-loading trailer with 8-ft. 3-in, well, tyres as brand new, only £125.

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HADFIELD, MANCHESTER.

Phone, Glossop 2902-3, AFTER HOURS 2356,

1956 B.M.C. 7-tonner, power steering, excellent condition throughout, 1949 SEDDON St. Perkins engine, perfect condition throughout, bargain.
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#### WELCH'S GARAGE (STAPLEFORD), LTD. BEDFORD, LAND ROVER DEALERS.

## NEW VEHICLES.

BEDFORD 10-ton tractor, Scammell coupling, 10-ply BEDFORD 7-ton normal-control 16-ft. body complete BEDFORD ("ton normal-control 16-ft. body complete truck,
BEDFORD 7-ton forward-control chassis and cab, or with 17-ft. Bonallack body.
BEDFORD 6-ton forward-control, 8.25 by 20 tyres, chassis and cab or with 17-ft. Bonallack body.
ALL vehicles have BEDFORD 300 diesel engines.

### USED VEHICLES.

947 FODEN 8-wheeler, £450.

946 FODEN 8-wheeler, £425. 1939 FODEN 8-wheeler, much above average, £475.

BEDFORD 5-ton, P6, almost new tyres, £375.

1930 E.R.F. twin steer 6-wheeler, £300.

1946 VULCAN, P6, chassis and cab, £150.

1950 105 truck, P6 engine, £275.

LL these vehicles have all units working and are in good running order, are clean and straight and ready for immediate use. PART-EXCHANGES and hire-purchase.

S new, very modern single-compartment 1,500-gal.

S new, very modern single-compartment 1,500-gal.

for Bedford 7-ton long-wheelbase forward-control 150-in.

wheelbase. This tank was made by Darham in mild ated
with alli shrould and side shrould with provision for hosea,

sed for edible fats, must be cleared. Inquiries and offers,

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LONDON ROAD, STAPLEFORD, CAMBS.

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OFF

E.R.F. E.R.F. A.E.C.

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ODEN 4

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A.E.C.

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948 SCA

1943 SCA

TD.

ieftain, Bedford lorries, with West, Metro-as, and and similar Northern Area;

wheelbase drop-n carefully used with special A ath Eastern and

with special A r, North West control 8-10-ton afform, immacu-only £1,375, or 14 cwt., North

14 cwt., North
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condition, with
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wheelbase lorry, damaged, with West Area, only pecial A licence, d trailer, weight

wheelbase lorry, cence, Metropoli-, from £1.295. -ton long-wheel-

,200 cu. ft., good £150. ins P6, very clean

ing trailer with

ES. LTD.

ER.

LTD.

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ng, excellent conperfect condition

Albion Chieftain excellent through-

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ord), LTD.

coupling, 10-ply

ft. body complete

assis and cab, or 25 by 20 tyres, onallack body. diesel engines.

ove average, £475.

it new tyres, £375. £300.

vorking and are in straight and ready

partment 1,500-gal. ompressor, suitable ward-control 156-in. arham in mild steel provision for hoses, er pipes, has been Inquiries and offers.

ORD. CAMBS.

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cab, £150.

EALERS.

OFFER FOR IMMEDIATE DELIVERY:-

NEW VEHICLES.

E.R.F., 6LW, 5-speed, double-drive 8-wheeler.
E.R.F., Twin Steer, 6LW.
Twin Steer, 6LW.
A.E.C., Mercury Mark II chassis and cab. fitted

ODEN 8-wheel 6LW double-drive chassis and cab. ODEN 4-wheeler latest 2-stroke, to take 22-ft. body LBION Chieftains, fitted roller springs, 900 by 20 tyres, chassis and cabs, 19 ft. flats.

EYLAND Super Comets.

EYLAND Comets, 20-ft. flats.

E.R.F., 4.4 (G). FODEN 8-wheel tipper.

A.E.C. 9.6 8-wheeler double-drive chassis and cab.

USED 8-WHEELERS.

956 LEYLAND 600, fitted with 24-ft. flat, im 955 LEYLAND 600, double drive, 24-ft. flat.

552 FODEN, latest 2-stroke Mark V engine, double drive, first-class machine throughout.

LEYLAND 600 engine, double-drive, 24-ft. flat. 1950 FODEN 6LW double drive, 24-ft. flat.
1950 FODEN 6LW double drive, 24-ft. flat.
1950 FODEN 6LW double drive, fitted 24-ft. alloy
flat.
1950 MALUSLAY, fitted 9.6 5-speed box, 24-ft. flat,
been used from new by C-licence operators.
1948 A.E.C. 9.6 double drive.
1948 A.E.C. 9.6 double drive.
1948 A.E.C. 9.6 double drive.
1955 A.E.C. 9.6 double drive.
1955 A.E.C. 9.6 double drive.

ber of cheap 8-wheelers, including E.R.F., A.E.C., from £300 each.

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1956 LEYLAND doubte-drive, fitted with new stabilizers and 22-ft. 6-in, alloy fixed-saided body, as new. 1955 THORNYCROFT Sturdy, medium wheelbase, but the reconditioned engine, Anthony hoist gear

and steel bodies, choice of three.

1955 bEDFORD A type, petrol, fitted new gears and bedbies, choice of three.

1952 ALBION HD 8-wheeler, fitted new Mishaw for the petrol of the petro

USED 6-WHEELERS.

951 SENTINEL 6-wheeler, direct-injection engine.
948 DENNIS, fitted 22-ft. 6-in. body, double-drive. DENNIS, fitted Boys extension.

USED TWIN STEERS.

1950 MAUDSLAY twin steers, chassis and cab. 1948 MAUDSLAY, fitted 7.7, 5-speed box, choice of four.

USED 4-WHEELERS.

1956 COMMER TS3, fitted 900 by 20 tyres, 18-ft.
1955 bodies, in first-class, condition, choice of two.
1955 body, TS3, fitted with 19-ft, drop-sided
1953 E.R.F. 4LK drop-side lorry.

MAUDSLAY 7.7 20-ft. flat. 951 950 ALBION HD, fitted with trailer equipment, all new (tree, in first-class condition. E.R.F., long wheelbase, fitted with 6LW. immaculate condition. ALBION CX, choice of three.

948 -48 MAUDSLAY, 7.7 engine, 4LW, choice of

945 48 E.R.F., fitted 7.7, choice of five. E.R.F., 6LW, 18-ft. 6-ln. drop-sided body, trailer model.
Lec. Monarch, fitted with 22-ft. alloy body, as new.
LEGON Chieftain, drop-sided body.

958 COMMER 2-stroke overdrive, 900 by 20 tyres.

as new. 2 stroke overdrive, 900 by 20 tyres 1958 BEDFORD (Bedfords own oil engine) 7 (onner 1957 COMMER long wheelbase, 900 by 20 tyres.

USED TRACTORS. 948 SCAMMELL 6LW.

1943 SCAMMELL, ex petrol company. (Continued in next column)

Used Goods Vehicles (contd.)

1942 SCAMMELL 6LW 45-tonner.
1938 SCAMMELL low-loader, fitted with 6LW out aske, 16-ft. 6-fn. well. all new tyres on trailer, knock by 20; cheap to clear.
Number of all types of trailers.

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1955 SEDDON R6, flitted with 22-ft. Carrimore ALL classes of articulated and 4-wheeled trailers.

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Used Goods Vehicles (contd.)

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LEYLAND Octopus, very clean, ready for work.

LEYLAND Octopus, very clean, ready for work.

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SCAMMELL 8-wheeler, double drive, 6LW engine, 3-speed box, 24-ft. flat.

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SCAMMELL 8-wheeler, double drive, 6LW engine, 18-ft.

SCAMMELL 8-wheeler, 6LW engine, 18-ft. 6-in, flat, small mileage, very clean, 1952 flat; Atkinson 4-wheeler, 4LW engine, 18-ft. 6-in, flat; Atkinson 4-wheeler, 4LW engine, 18-ft. 6-in, flat; Atkinson 4-wheeler, 4LW engine, double-drop-side body.

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BEDFORD 5-ton long-wheelbase with drop-side body.

DENNIS Max tanker, March, 1946, suitable for carrying

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FODEN 8-wheeler single-drive with reconditioned Control, 618, 24-ft, platform, 1945.

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1951 BEDFORD 5-ton long-wheelbase, Ba extension, 18-ft. 6-in, double-drop-side tru

ODEN 8-wheeler, 6LW engine, or new LX.

BEDFORD trucks or tippers, all models. 1955 FODEN 8-wheeler, double drive, 4-speed box.

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1955 BEDFORD S-type 7-ton short-wheelbase chassis-9.00 by 20 type equipment, also fitted with new Edbro tipping gear front vertical ram and 6-cu. yd. all-steel body, histed in primer, vehicle in exceptionally nice condition,

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1938 E.R.F. 8-cu.-yd. hydraulic tipper, Gardner 4LW diesel engine.

LEYLAND S/H 8-wi.eeler, fitted with new all-steel body and gear.

BEDFORD 5- and 7-ton diesel tippers

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FULL RANGE ALWAYS AVAILABLE. 1957 MORRIS 1-ton 14-seater LD1 Utilibus, £630. 1957 AUSTIN 152 van, low mileage, £495.

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VULCAN with 7-8-tonner platform body. Mark 3. Meadows engine. SLW, will sell for sa value. 798-288

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ALL NEW DODGE MODELS AVAILABLE FOR EARLY DELIVERY.

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COMMER 30-cwt, diesel van, low mileage, excellent condition, £515, 1957
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DODGE 6-ton tipper (Model 103 P6) with light vin under the construction, Pilot vin under the construction of the

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£425. 1954 BEDFORD A-type short-wheelbase diesel tipper.
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£100. PERKINS P6 engine completed with all fittings
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1951 BEDFORD 8-ton tractor unit, Tasker coupling. 1957 BEDFORD 15-cwt. builder's truck, one owner.

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ATKINS E900. ATKINS Dodge Dodge axle. W. H.

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BLACKBIRD HILL, KINGSBURY, N.W.9. ESTABLISHED 1923. Colindale 6134-5-6 and 4485. 1958 AUSTIN 15-cwt. van, £475. 958 AUSTIN A35 pick-up, £495. 958 AUSTIN Gipsy, £575. 57 AUSTIN 15-cwt. van, £425 955 AUSTIN A40 van, £325.

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BIRMINGHAM COMMERCIAL OFFER: 1952 BEDFORD 5-ton Luton, 11,500 c.c., P6. 954 BEDFORD 4-ton Luton, 950 c.c., petrol. 955 BEDFORD 7-ton long-wheelbase S.A. BEDFORD 7-ton long-wheelbase tipper.

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1952 SENTINEL 6-wheel tipp

TERMS AND EXCHANGES.

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AUSTIN 25-cwt. 3-way van, good condition

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951 BEDFORD 5-ton short-wheelbase tipper. 1949 BEDFORD-SCAMMELL tractor unit.

1944 SCAMMELL 45-ton tractor, ex-Pickfords, 6LW engine.
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PAGE Truck.
ORD Trader 6D damaged and smashed trucks wanted, any model.
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WHALEBONE MOTORS, LTD., OFFER:-1951 FODEN 8-wheeler, 6LW engine.
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1956 DODGE 5-ton 106A diesel truck, choice of two. 1953 DODGE 5-ton short-wheelbase diesel tipper.

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1943 SCAMMELL 8-wheel rigid, 6LW engine, 40 by 8 tyre equipment, good condition, £575.
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1850.
1956 BEDFORD CA pick-up, first-class mechanical potential process of the pr

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A USTIN Loadstar 1953 artic. Perkins P6, fitted 22-ft.

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SIGNHOLDERS. 953 SEDDON diesel Luton, 1,100 cu. ft., £465. FORD Thames 8-ton Sussex 6-wheeler with DENNIS Stork diesel 3-ton van, one owner, 25 BEDFORD 7-ton diesel truck, in excellent condition.

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1957 15-cvt. J2 van; choice of two

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platform, excelmmell coupling, eptional, condition, drop-

vheelbase tipper. short-wheelbase ase tipper. ease tipper.

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20-ft. platform d trucks wanted. D., 100 Dudley phone. 798-117 RCIAL 30-cwt. nileage, £465. in primer, low dark blue, new LTD., Leagrave

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MORRIS 3-ton diesel-engined truck, good con-dition, £575, 7-ton drop-side truck, good tyres, 1955 PoRD Pro lipper with steel body, good con-dition. JUSTIN 25-cwt. van, £135.

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OF INTEREST TO ARTICULATED USERS.

1956, October, DODGE-SCAMMELL tractor unit Michelin tyres, 23-ft. 10-ton Dyson trailer with Scammel attachment, complete outh in first-class condition

Michelin tyres, 23-ft. 10-ton Dyson traiter with Scammell attachment, complete outfill in first-class condition throughout, £1,000.

SELECTION of five BEDFORD-SCAMMELL 10-ton SELECTION of five BEDFORD SCAMMELL 10-ton SELECTION of the self-condition of tractor units from £450 upwards.

1957 fitted with new body and tipping gear, another similar to above but fitted with Perkins P6 engine.

Call-metal bodied tippers, in first-class about wheelbase and reconditioned SLW engine.

1952 truck, in excellent condition throughout, the second of the sec

MANY OTHER PLATFORM TRUCKS.

TIPPERS AND VANS.

AVAILABLE AT PRICES TO SUIT ALL POCKETS.

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A.T.P. MOTORS, LTD. 1958 BEDFORD 7-ton drop-side truck, 2-speed axic, 1956 B.M.C. 5-ton drop-side truck, F/C, heater fixed, E675. CA van, repainted, £270.

BEDFORD A type. P6 engine, long-wheelbase.

1952 Ed85.

1952 EDFORD 2-3-ton, greengrocer's truck, repained, £200.

1951 EDFORD 2-3-ton truck, by E licence, choice of the control of the c

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BEDFORD 30-cwt. greengrocer's truck, repainted, £125.
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THE NIGHTINGALE ENGINEERING CO., New ATKINSON 8-wheelers, 6LW and 6LX, double-drive or single-drive, immediate delivery.

1957 LEYLAND Comet sritculator with 26-ft, York trailer, with Scammell coupling 82,500.

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1956 FORD Thames 3-ton long-wheelbase drop-side, de-ylinder diesel, £565.
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TIPPERS. 1953 Thames. Pé diesel, Anthony 5 cu. yd., good condition, £425.
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W. HAROLD PERRY, LTD. USED COMMERCIAL DEPARTMENT, KENT ELMS COWNER, SOUTHEND, ESSEX. Write, call, phone, Eastwood 525232.

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EARLY OR IMMEDIATE DELIVERY ON ALL THAMES MODELS.

1954 Thames 4D short-wheelbase truck, £290.

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SELECTION of 1957 5-cwt. Thames vans.

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1951 A.E.C. Mk. III 8-wheeler, 24-ft. drop-side body, 9.6 engine, single drive, well tyred all

1951 FODEN 2-stroke 8-wheeler, double drive, 24-ft.
1952 platform body, well tyred and maintained.
1955 kins P6 engine, 22-ft. drop-side body and wrapround cab. Eaton 2-speed axie.
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very little used, guaranteed 14,000 miles only
AUSTIN Loadstar 2-3-ton drop-sider, in very
2004 condition throughout.
1941 E.R.F. 4-wheel platform body, fitted with

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1948 MAUDSLAY, 4-wheel platform body, Gardner
6LW engine (choice of two).

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1930 engine, 900 by 20 tirts as a sale (choice of two).

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WOOTORS, LTD, of Utbridge, Charles of the Company of th

NORMAN REEVES (MOTORS), LTD., of Uxbridge. REDFORD-SCAMMELL. P6 engine, £100.

954 3-ton AUSTIN vans, choice of two, £199. 948 FORDSON pantechnicon, 600 cu. ft., exceptional condition, £80, November, FORD 2-ton 4D van, £375.
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950 FORD 2-ton van. V8, £125.

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A BION 1949 8-ton 21-ft. drop-side body, 4-cylinder diesel engine, 36 by 8 good tyres, £659.

A BION 1953 8-ton, 18-ft. drop-side body, 6-cylinder petrol engine, 8.25 by 20 tyres, £49.

Diesel 4-wheel-drive, complete with 40 by 8 wheels, £598 and 14.60 by 20 alternative tyres, tubes and bed by 20 alternative tyres, tubes and bed by 20 alternative tyres, tubes and DEDFORD-SCAMMELL 1947 8-ton petrol engined tractor unit with 20-ft. Trailer, £340.

DEDFORD, unresistered, 900-gal, tanker, almost unused, DEDFORD tractor walls control of the complete tractor unit control of the complete tractor unit with 23-ft. 10-ton trailer, £665. DEDFORD tractor unit, petrol engined, with Carrimore coupling and trailer 23 ft., and Telehoist sack loader. DODGE 1952 5-ton long-wheelbase diesel tipper, £475. VULCAN, fitted with P6 diesel engine, 16-ft, 6-in. drop-side body; choice of three from £325. LL the above tracks are in very good condition and condition and tracks. Somewhat is the condition and PHONE, Stowmarket (Suffolk) 621 (five lines).

1952 BEDFORD 5-yd. steel body, £175.
1954 BEDFORD 7-ton, 6-yd. Western equipment, 6500.
1954 High St., Uxbridge, Middx.
1944 (four lines).

CHASESIDE MOTOR CO., LTD., GREAT CAMBRIDGE ROAD, ENFIELD, MIDDLSEX

FORD MAIN DEALERS.
Phone, Enfield 3456. 1956 FORD Thames 4D 30-cwt. truck, painted green. condition throughout. A.1 guarantee, £450.

1957 FORD 5-ton 4D Trader, 33,000 miles, owned and maintained by this company, full A.1

1957 and maintained by this company, but take, full 1955 KARRIER Bentam 2-ton drop-side truck, full 755 KARRIER Bentam 2-ton drop-side truck, full 755 KARRIER Bentam 2-ton loader, in first-class condition, six very good tyres, full A.1 guarantee, £295.

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1 guarantee, £500. 1949-50 COMMER F.C. horse boxes, £475-£499

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RLHC BEDFORD, petrol, 4 x 4, painted cream, spreader, Bedford platform, excellent condition, Keelly, Wigmore, Leominster, Herefordshire.

#### COMMERCIAL VEHICLES. WM. RIPLEY.

BEDFORD 30-cwt, 3-way van, in first-class
1952 BEDFORD 2-ton drop-side truck, nice order,
1957 BEDFORD 3-ton diesel drop-side truck, with
1956 BEDFORD 4-ton truck, ex C-licence user, £465. 

7 HEATH ST., Dartford, Kent.

PHONE, DARTFORD 5480. 798-439

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BEDFORD 1958 CA van, low mileage, £460. EDFORD 1958 Workabus, 5,000 miles, £475. BEDFORD 1953 CA van, £195.

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COMMER 1956 TS3 7-ton tipper, one owner, excellent condition, £900.

EDFORD 1947 5-ton pantechnicon, £275.

FRANK G. GATES, LTD., MAIN FORD DEALERS GATES CORNER, E.18. Wanstead 6633.

1957 COMMER 7-cwt. van. £325. 1955 BEDFORD Dormobile, very clean, £395. BEDFORD 5-ton flat platform, £95.

949 COMMER 5-ton flat platform, £100. BEDFORD-SCAMMELL tractors, choice of two, £95.

BEDFORD 2-3-ton long-wheelbase platform ruck, good condition, £125.

3-ton DODGE long-wheelbase truck, P4 diesel, choice of two, £345 and £319.

AUSTIN 1-ton petrol van, £375.

954 BEDFORD 7-ton truck, petrol, £425.

1954 BEDFORD 7-ton tipper, 13-cu. yd. R6 engine, 798-511.

BILL WALTON, LTD. 1953 BEDFORD A-model 3-ton truck, £275.

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1957 AUSTIN 5-ton short-wheelbase tipper, immaculate condition, £595.
1957 FORD 5-cwt. van, one owner, exceptional, £300. 1957 FORD 5-cwt. van, one owner, exceptional, good 1956 BEDFORD 10-12-cwt. vans, one owner, immaculate throughout, choice of two from £275.
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1955 diesel truck, one owner, £325.
1952 AUSTIN 25-cwt, 3-way coachbuilt boxvan, one wheelbase diesel truck, one owner, £326.
1952 AUSTIN 25-cwt, 3-way coachbuilt boxvan, one wheelbase diesel truck, one owner, £326.
1952 AUSTIN 25-cwt, 3-way coachbuilt boxvan, one control of the control of the

1954, diesel, excellent condition, £480, 1957, diesel, excellent condition, £480, 50 cmber, BM.C. Scammell tractor unit, 5.4 diesel, excellent order, £750, 1957, diesel, excellent order, £675. 1951 FORD Trader 5-tonner, P6 diesel, £250. NUMEROUS 5-ton tippers available.

25 Used vans in stock from 8 to 20 cwt.

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1953 39-scater BEDFORD Super Vega, certificate maculate condition inside and out, taxed year, £2, or near offer. Thomas Motor Tours, Ltd., Newark 5, 788-x4

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VER 100 high- and low-bridge-type double-deck buses, from £100 each, also a number of Leyland 36-seater buses. Denis 32-seater buses with 5LW power units suitable for contract or public works contractors, price from £175 each.

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BEDFORD 38-seater, Duple, red interior, BEDFORD 38-seater, bundle condition, BEDFORD Super Vega 38-seater, red interior, immaculate.

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1951 June. DENNIS Falcon (35) full-fronted coach, and dark red, heaters, coprier's seat, sood condition, and dark red, heaters, coprier's seat, red, and red, bearing the seat of the seat

20 seats, 1949, with Formica sides and heater, green and grey, in good order, £575.
30 SEATER FORD Thurgood coach, Dunlopillo seating, green and cream, certificate of fitness to 31.10.60

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1956-57 BEDFORD 41 Super Vegas, from £2,650.
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milease, very well kept, £2,150,
lights, magnificent condition.
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lights, magnificent condition.
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£585.

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1958 BEDFORD Dyple, 37-scaters, lower interiors, beaters, choice of two, £1,850.

1951 BEDFORD Vega, maroon interior, dual red

1951 BEDFORD Vega, maroon interior, dual red
1349 BEDFORD Vista, 29-seater, red interior, cream
and maroon exterior, one owner, certificate of
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1951 EXYLOND Royal Tiger, fitted air brakes,
reaster IEXYLOND ROYAL TIGER, 120,00.

1951 A.E.C. Mark IV, autumn interior, Plaston 35seater IEXYLOND, fitted P.S.1. engine,
of fitness October, 1961, £750, 32-seater IEXYLOND
1951 autumn tint interior, cream and red exterior,
certificate of fitness Inc., 1966, £525,
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ate of fitness 1962, £1250, £1200, 248-49 DAIMLER CDV6, fitted 33-seater IEXYLOND
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1949 DAIMLER CDV6, fitted 33-seater IEXTLOND
1949 DAIMLER CDV6, fitted 33-seater IEXTLOND
1940 High-back seats, 33-35 seats, choice of two,
certificates of fitness 60-61 from £350.

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1951 A.E.C. Mark IV underfloor-engined 39-seater full-luxury coach, immaculate, certified 1961,

E1.250.

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1946 -49 A.E.C. 34-seater buses, in really super conductor of the conduct

batteries and ready to go to work, \$340 each; choice of eight.

1949 BRISTOL 33-seater coaches powered by Gardner these are genuine coaches with full vision and not rebuildered, a very lovely fleet of vehicles, \$450 each.

1947 LEXLAND genuine BB 32-33-seater based to condition throughout, \$375 each; choice of eight, certified.

1950 LEYLAND genuine PS2 33-seater coaches, condition throughout, \$375 each; choice of eight, certified condition throughout, a very super fleet, \$495 each; choice of leight, certified condition throughout, a very super fleet, \$495 each; choice of leight, certified throughout, a very super fleet, \$495 each; choice of leight, certified throughout, a very super fleet, \$495 each; choice of leight, certified throughout, a very super fleet, \$495 each; choice of leight, certified throughout, a very super fleet, \$495 each; choice of leight.

1949 A.E.C. 33-seater coaches in immaculate dition fitted with 9.6 engines and air br 1949 GUY 33-seater full-luxury coach, fitted Gardner, 1949 GUY 33-seater full-luxury coach, fitted Gardner, State engine, Plaxton body, in super condition,

1947 5 LW engine, Plaxton body, in super cobustions, 295, certified, 1949 Discharge cache, fitted Dennis Big 6 1949 CHE occleent throughout, 2255, certified, 1949 6 LW engine certified and in first-class mechanical condition, 8325.

1947 FODEN 35-seater coach, fitted with Gardner of the certified 1961, 2275 each, fitted with Gardner of three, certified 1961, 2275 each, fitted with Dennis Big 6 engine, certified 1960, £295.

A.E. C. Buses powered by 7.7 diesels and fitted with and run like new vehicles, £295 each; choice of 18. Certified 1961, 2275 each; choice of 18. Certified 1961, 2275 each; choice of 18.

FILE.

EYLAND buses, powered by Leyland 8.6 diesels and

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ndition, carrying full guarantee, at £275 each; choice

20

of 20.

ROSSLEY 33-seater coaches, powered by Crossley #4

GROSSLEY 33-seater load machines with Burlingham

bodies £295 each; choice of 18, certified.

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A LSO 150 single- and double-deckers, all fitted with good batteries and ready to go to work, from £150

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Used Pa

1956

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MAIN

1949

h, fitted Gardner super condition.

ed Dennis Big 6 £295, certified. ed with Gardner rat-class mechanied with Gardner hroughout, choice

is and fitted with the machines look ; choice of 18. 8.6 diesels and all in first-class 275 each; choice

by Crossley 8.6 with Burlingham wered by Leyland 275 each; choice

, all fitted with work, from £150

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### Used Passenger Vehicles (contd.)

#### BARNARD AND BARNARD. LTD.

1956 BEDFORD, Birmingham Seagull 41-seater full-heater and many other extras, in excellent condition throughout, certificate of fitness 1961. 1955 oil engine, 40-seater leather seats, good tyres, in good clean, condition throughout, certificate of fitness

in good clean condition throughout, certificate of two.

1954 BEDFORD, Burlingham Seagull 36-seater fullusury body, good clean condition throughout, certificate of fitness 1959; choice of two.

1953 touring coach, fitted with full-usury hapman clean condition throughout, certificate of fitness 1950; choice of two.

1952 touring coach, fitted with full-usury hapman clean condition throughout, certificate of fitness 1963.

1952 eggine, 37-seater full-luxury Duple body, heater and radio, in good clean condition throughout, certificate fitness 1963.

1952 LEYLAND Royal Tiger, fitted air brakes, 1962 41-scater full-luxury, Burlingham body, heater, 1966 tyres throughout, in excellent condition, certificate 1951 BEDFORD Vega, 33-scater full-luxury Duple body, fitted with heater, good tyres, in good throughout, certificate of fitness 1962;

1951 BEDFORD Vista, fitted with a Perkins P6 oil engine, full-luxury Duple body, 29 high-backed 1961. 1951 BEDFORD Vega, 33-seater full-luxury Duple body, fitted with heater, Perspex quarters, in load clean condition throughout, certificate of fitness

1961. LEYLAND PS2, full front, fitted 37-scater twin heaters, certificate of fitness 1961. Plaxton, good COMMER Atenger 33-scater, Plaxton, good in blue, certificate of fitness

1960. SENTINEAL Service bus, 40-seater, Dunlopillo diesel engine, front siliding doge, in good clean condition throughout, certificate of fitness November, 1961.
1950 luxury Whitson body, 31-seater, one owner since new, good clean condition throughout.
1950 BEDFORD 29-seater, full-luxury Duple body, 1950. Condition, certificate of fitness 1960; choicul-luxury Bell-1950 house Hartwell body, fitted with bease and radio, in good clean condition throughout, certificate of fitness 1960; choicul-luxury Bell-1950 house Hartwell body, fitted with bease and radio, in good clean condition throughout, certificate of fitness 1960.

radio, in good clean condition throughout, certificate of fitness 1960.

1950 VULCAN full-front, fitted with Perkins P6 oil 1950 vulcan full-front, fitted with Perkins P6 oil nessellent condition throughout, certificate of fitness 1960; choice of two.

1949 Duple body, in good condition throughout, certificate of fitness 1960; choice of two.

1949 EVLAND P51 full-front 35-eeater, full-luxury good clean condition throughout, certificate of fitness 1963.

1948 BEDFORD Vista, 29-seater Duple body and proper seater, full-luxury flower for throughout, certificate of fitness 1963.

1948 Duple body, fitted with radio and heater, in good clean condition throughout, certificate of fitness 1963.

WE also have a choice of several coaches, suitable for workmen and mobile shops, at reasonable prices.

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1959 BEDFORD Duple 30-seater bus, 300 cu. in diesel engine, finished in red and grey, fitted heater, etc., ex-demonstration model, immediate delivery

heater, etc., ex-demonstration model, immediate certificate of filines 1966.

1955 radio, heater, petrol engine, finished in red and tream extilicate of filines October, 1959.

1953 heater, petrol engine, finished in red certificate of filines october, 1959.

1953 heater, petrol engine, finished in blue and red, certificate of filines April, 1963.

1951 FODEN Whitson 41-seater coach, heater, diesel engine, finished in cream, certificate of filines april, 1963.

May, 1961.

1951 BEDFORD Metalcraft 33-seater coach, heater, petrol engine, finished in green.

1950 TILLING-STEVENS, 33-seater full-front Bell-red, crifficate of fitness 1960.

1949 BEDFORD Duple 29-seater coach, heater, petrol of the seater of the seat

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#### Used Passenger Vehicles (contd.)

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A.E.C., 1946-47 service buses; A.E.C. Burlingham 35-37-scater bodies; certificates up to 1964; choice of 46 vehicles now arriving in stock; prices 1958 AUSTIN Minibus, 13-seater, six months' old, in excellent condition, litted radio and heater,

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1948 PSI 30-seater saloons. M.C.W. all-metal bodies, 1960-62, priced from £450.

1948 PSI 30-seater saloons. M.C.W. all-metal bodies, 1960-61, price £495.

1948 PSI 30-seater saloons buses, Metro-Cammell mechanical and body condition, certificates of fitness 1960-61, price £495.

1948 Weyman all-metal bodies, in excellent mechanical and body condition, certificates of fitness until June-September, 1960, choice of 10 £425.

1949 The seater saloon for the fitness of fitness until June-September, 1960, choice of 10 £425.

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1940 The seater saloon for the fitness of fitness until June-September, 1960, choice of 10 £425.

1941 The seater saloon for the fitness of fitness of fitness of fitness in the fitness of fitness of seater, 1960, choice of 10 £425.

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1943 GUY low-bridge double-decker 5-4-seater, 1943 GUY low-bridge double-decker 5-4-seater, 1944 Country fitted with 7-4 PSI-type diesel condition and with fitness up to 1960, price £75 each.

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LONDON'S LEADING PASSENGER AND COMMERCIAL-VEHICLE SPECIALISTS. HEAD OFFICE:

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EARLY delivery of new BEDFORD petrol-engine coaches, finished to instructions, demonstrations available, NEW BEDFORD petrol-engined chassis, 1939 model, Plazton 41-seater coachwork, early delivery, finished

NEW BEDFORD petrol-engine chassis, 1959 model, Harrington 41-seater coachwork, finished to instruc-YEW A.E.C. Reliance, 41-43-seater Duple Britannia coachwork, centre of front entrance, vacuum brakes,

Describer of the second of the

vents, red moquette, manuscu misson with 38-seater Duple 1955
BEDFORD, mounted with 38-seater Duple light and dark blue, certificate of fitness December, 1959.
BEDFORD, 35-seater Duple Vega, upholatered in red moquette, finished in light and dark blue, certificate of fitness 1962.

BEDFORD, 33-seater Duple Vega, upholstered in red moquette, finished in light and dark blue, certificate of fitness 1962.

1952-53 BEDFORD, petrol engine, mounted with 1952-53 BEDFORD, petrol engine, mounted with 1952-54 buple full-luxury 38-seater 8-ft. wide coacherocteristics of fitness 1962-63, choice of four, these coaches are in immaculate condition.

1952 BEDFORD, petrol, 33-seater Duple Vega coaches work, formica side panela, upholstered in green moquette, 7 ft. 6 in, wide, finished maroon and cream, work, upholstered in blue moquette, finished green man and blue, certificate of fitness 1962.

1952 AEC, Mark IV, mounted with 39-seater full-dentral entrance, autumn tint moquette, immaculate condition, certificate of fitness 1962.

1950 LEYLAND PS2 33-seater Burlingham coacheman and green, three red and cream.

1950 LEYLAND PS2 33-seater Burlingham coacheman and maroon, certificate of fitness 1960, very clean.

clean.

BEDFORD 29-seater Duple Vista, upholatered in green. Formica side panels, finished cream and green, Formica side panels, finished cream manufacture condition.

DAIMLER CDV6, oil engine chassis, mounted with Duple 35-seater full-luxury coachwork, pholatered in blue moquette, finished grey and regulational condition, choice of conditions.

1947 A.E.C. Regal, 7.7 engine, 35-seater Duple EYLAND TS4-6-7, oil engine, 45-seater Duple and the state of fitness 1960. In the state of fitness 1960 and the state of fitness 1960 and the state of fitness 1960 and the state of the state o

CHOICE of seve:nl 1946-7-8 BEDFORD 27-29-seater Duple Vista coaches; Austin 29-33-seaters; Commer Commando and Avenger 33-35-seaters; certificates of fitness; chesp to cle...

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February 13, 1959—THE COMMERCIAL MOTOR 6]
(Supplement)

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NOW 2 ONLY, 1958 BEDFORD-DUPLE 41-SEATERS. UNDER 10,000 MILES, AS-NEW LUXURY COACHES. CHOICE OF 3 1956 BEDFORD-DUPLE 41-SEATERS, 2 IN IVORY AND BLUE AND ONE IN GREY AND BLUE. ALL TIP-TOP LUXURY COACHES.

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SPLENDID EXAMPLES OF THIS POPULAR MODEL. BEDFORD-VISTA 29-SEATERS, CHOICE OF TWO VERY FRESH MACHINES, BEING RECERTIFIED NOW,

### ALBION.

1955 ALBION-PLAXTON 33-SEATER FULL LUXURY COACH, FORMERLY USED FOR HIGH-CLASS CONTINENTAL TOURS. EVERY EXTRA. OUT-STANDING VALUE.

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CHOICE OF 2 1949 LEYLAND COMET-PLANTON 33-SEATERS, ONE IN BLACK AND WHITE, THE OTHER BLUE AND CREAM. BOTH EXTREMELY REASONABLE IN PRICE.

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COMMER Rootes diesel Burlingham 41-seater, finished to choice, 14 days delivery.

A.E. Reliance Duple and Burlingham 41-seaters, finished to choice, 14 days delivery.

A.E. Reliance Duple and Burlingham 41-seaters.

1955 41-seaters, certificates of fitness, 39- and 41-seaters, certificates of fitness, 1950, fitness 1960, but the seaters, certificate of fitness 1950, fitness 1950.

1.7.54 in blue, finished blue and grey, certificate of finites 1939.
1953 BEDFORD 35-seater Yeates, trimmed in red.
1954 BEDFORD, 37 seats, Gurney Nutting body.
1955 Strachan body, 8 ft. wide, air brakes, choice of two. certificate of finites 1961.
1951 A.E.C. Mk. IV Burlingham Seagull, 39 seats, burling burlingham for the proposed of two certificates of finites 1961.
1954 A.E.C. 7.7 35-seater front-entrance Weymann service bisses; choice of str.
1958 BEDFORD 29-seater Vista, from £250.

PART-EXCHANGES and hire-purchase terms to suit

### 38 UXBRIDGE ROAD.

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Phone, Ealing 7987; Uxbridge 5022.
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SERVICE BUSES

THE GARAGE, ELM GROVE, CROSS STREET, SALE, CHESHIRE. SINGLE-DECK VEHICLES.

1951 A.E.C. full-fronted Beadles, powered 7.7-litre oil choice of several, prices E900 to E950.

£275 BEDFORD Vista, 29 seats, first registered 1947, conditioned as new in blue-flaured moquette, certificate of these 1949 BEDFORD coach, 29 seats in marcon 1949 BEDFORD coach, 29 seats in marcon 21440, and grey leather, certificate of fitness April, 1959.

£300. Full-fronted Beadle buses of all-metal con-and Morris chastis parts. These vehicles are in beautiful condition and are of lightweight construction; choice of

LEYLAND, powered by an 8.6 diesel engine, see that the seed of the

BRISTOL L-type, 1939-1940, powered 5LW Gardner oil
BRISTOL L-type, 1939-1940, powered 5LW Gardner oil
BRISTOL L-type, 1939-1940, powered 5LW Gardner oil
BRISTOL 10w-bridge double-deckers, first eggistered
L-1945-1946, conchwork by Eastern Coachworks, certicales of filmes late 1950, in very clear condition, powered
L-1946 GUY Arabs, powered Gardner 6LW, 35-scater
buses, price 270 each.
WE specialize in the supplying of used spares. See our
advertisement under Spares Unclassified.

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1954 LEYLAND Cubs, fitted Strachan, 41-seater bodies, power-operated silding doors, illit-up roof lights, large luggage lockers, certificate of fitness to November and December, 1963; choice of four. 1949 A.E.C. Mark III, fitted Duple, 33-seater luxury bodies, certificate of fitness to March, 1965, due for certification; choice of two, full front.

1948 A.E.C. Mark III fitted Burlingham 33-seater luxury body, certificate of these to April, 1962. 1947 LEYLAND P.S.I. fitted Burlingham 33-seate luxury bodies, rebuilt throughout in 1955 with full-front cabs, certificate of fitness to February and March 1961s choice of the cabon care of the cabon care of the care of th

A PPLY: Red House Garage, Victoria Road East, Heb-burn on Tyne, Phone, Hebburn 832145, (After 6 p.m. phone St. Hilds. South Shields 4669), 798-7103

### DON EVERALL, LTD., 34 CLEVELAND ROAD, WOLVERHAMPTON,

PASSENGER TRANSPORT SPECIALISTS.

NEW BEDFORD Duple 41-seater coaches, petrol and diesel, available for early delivery.

BEDFORD petrol 41-seater Duple coach, red patterned interior, cream exterior, heaters, etc.,

E2,850.

1956
BEDFORD, petrol, 41-seater Duple Super Vega
1955
coach, heaters, etc., £2,700.
1955
Coach, certified 1960, £2,800.
1954
BEDFORD, petrol, 36-seater Duple coach, glass
22,050.

1954 roof quarters, heaters, Formica panels, etc., 22.050.
1953 BEDFORD petrol 36-seater Burlingham Seagull coach, certified 1962, £1.725.
1954 BEDFORD, petrol, 36-seater Yeates Riviera extras, certified 1963, £1.900.
1955 August, BEDFORD petrol 34-seater Plaxton coach, certified 1961, £1.550.
1955 LEYLAND Royal Tiger 40-seater Bellhouse-Hartwell coach, certified 1961, £1.600.
1955 SENTINEL 6-cylinder diesel 44-seater Beadle roud, minuted to the coach, certified foor, new tyres all round.
1956 Cach Mk. IV 36-seater Burlingham coach, certified 1961, £2.100.
1957 GUY 61-W Gardner 46-seater, half-deck coach, certified 1961, £2.100.
1958 BEDFORD 27-seater Durlingham coach, fertified 1961, £2.100.
1959 BEDFORD 27-seater Durlingham coach, fertified 1961, £2.100.

50 Coaches and buses always in stock. SEND for list giving full particulars, prices, etc.

33-SEATER half-cab diesel coaches for hire on monthly terms.

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DON EVERALL LTD.

COACHES AND COMPONENTS, LTD.,

469-475 HOLLOWAY ROAD, LONDON, N.7. 1959 New BEDFORD petrol-engined Duple 41-seater 1955 Super Vega, 8 ft, wide; delivery end of January. March, BEDFORD 38-seater dissel-engined strey, clock, radio, heaters, glass roof quarters, certificate

rey, clock, radio, heatens, glass roof quarters, certificate of fitness 1900 fitness to January, 1902.

1950 fitness to January, 1902.
1950 fitness to January, 1902.
1950 fitness to January, 1902.
1950 fitness to January, 1902.
1950 fitness to December 1903 fitness 1900 fitness to December 1900 fitness to December 1900 fitness to December 1900 fitness to 1900 fitness 1900 fitness

fitness to 1959.

1950, August BEDFORD, 29-scater Vista body, red
of fitness to August 1960.

1950, July, FODEN 37-scater Metalcraft body,
heater, radio, certificate of fitness to April.

1950, heater, radio, certificate of fitness to April, 1960.
1949, May, CROSSLEY, 33-seater Duple body, redof fitness to May, 1980.
1941, red moquette, exterior red-cream, certificate of fitness to July, 1959.
1949, red moquette, maroon-cream exterior, clock, heater, top sliding windows, sliding roof, certificate of fitness to July, 1959.
1949, July, AUSTIN 29-seater Whitson, autumn back seats, 1949, and 1949, tinge moquette, exterior blue-cream, highback seats, 1940, and 1940,

1947-48 PSI 33-seater Harrington, certificate of 798-298

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NEW coaches available on Bedford, Commer, Ford Albton and Leyland chassis, with bodies by Burling ham, Duple or Plaxton. DEDFORD Super Vega, petrol engine, body by Duple 41 seats, red moquette, first registered 1956-7, choice

of eight.

EVLAND Tiger Cub, underfloor engine, Eaton 2-speed arke, body by Burlingham or Sengull, front entrance, arke, body by Burlingham or Seven, first registered 1956, certificate of fitness 1962.

EEFFGRS Super Vega, petrol engine, body by Duple, by Burlingham or demonstrate of fitness 1962, 28-senter, full lixury type, quarter contacts of fitness 1962, 28-senter, full lixury type, quarter

BEDFORD S B. full front, petrol engine, body by Brush, 33-seater, red, cream; one only, first registered 1951, certificate of fitness 1960.

BEDFORD OB full front, petrol engine, body by Duple, 35 seats, red, cream, one only, first registered 1952, certificate of fitness 1963.

COMMER Avenger, underfloor petrol engine, body by Commerce 1952, certificate of fitness 1963.

COMMER Avenger, underfloor petrol engine, body by Grant Commerce 1952, certificate of fitness 1963.

COMMER Avenger, underfloor petrol engine, body by Grant United, 33 seats green, grey moquette, one only, first registered 1948.

CROSSLEY half-cab, diesel engine, body frans United.

33 seats green, grey moquette, one only, first registered 1948, wata, petrol engine, body by Duple, 25 Dixtury-type seats, 'red moquette, one only, first registered 1947, certificate of fitness 1959.

EYLAND PSI full front, diesel engine, body by Plaxton, 35 seats, green moquette, first registered 1948, certificate of fitness 1963.

EYLAND PS2 full front, diesel engine, body by Santus, 35 seats, green moquette, first registered 1947, seats, blue moquette, first registered 1947, new body by Madham, 31 seats, blue moquette.

MORRIS-COMMERCIAL full front, diesel engine, body by Wadham, 31 seats, blue moquette.

YE are now taking orders for the coming season, Bedford, Commer, Ford, Leyland, A.E.C., etc., and can offer the new bire-purchase terms on new and second-

LES GLEAVE, LTD.,
FOURWAYS GARAGE,
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A LBION 1949 6-cylinder petrol engine fuil-fronted 29-seater Santus, with heater, the bodywork and mechanical condition of this vehicle are exceptionally good, four years' recent certificate of fitness, for sale, 825, or would consider hire.

A USTIN 1950 6-cylinder petrol-engine 29-seater Salmess-bury show body, heater and radio, excellent condition throushout, body and chassis, certificate of fitness 1960 or sale, 8232, low deposit; would consider monthly hire.

A L. C. 3. Seater, full-fronted Burtingham body condition, e1,200.

LEYLAND PSI, 1948, new Duple body fitted 1954, 35-seater, £1,700.

LEYLAND PSI, 1948, new Duple body fitted 1954, 35-seater, £1,700.

NEW FORD 11-seater P.S.V., cream/maroon trim

NEW AUSTIN 12-seater, all face-forward seats, not PHONE, DINNINGTON 541 (BY DAY).
NEW and used commercials for sale under Commercial 798-156
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798-478

### Used Passenger Vehicles (contd.)

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PLEASE PHONE OR WRITE

FOR FULLER DETAILS. 1956 BEDFORD Plaxton 41-seater, certificate of radio, interior fawn plaid, immaculated, cate to the total BEDFORD Super Vega 41-seater, cream with unturn title interior, fitted heater, good tyres,

low mileage.

1954 SEDDON Duple 41-seater, certificate of fitness blue, tubular heaters, radio and microphone, and extra low lamp and micrors.

106 lamp and micrors.

107 Lamp and micrors.

108 Lamp and micrors.

109 Lamp and micrors with IV 41-seater. Roe bodywork.

109 Lamp and microry with IV 41-seater.

109 Lamp and Microry wi

condition.

1952 BEDFORD Vega 35-seater, excellent mechanical
fitness 1961, cream with blue interior.

1951 BEDFORD Vega, cream with maroon interior,
fitness 1961, fitted heater, good

1951 throughout. MAUDSLAY Mk. III 35-seater, certificate of fitness November, 1960, cream with blue, fitted reater, excellent conditions.

DENNIS J3 Duple 35-seater, full-front coachiest conditions.

DENNIS J3 Duple 35-seater, full-front coachiest coachi

1930 with green interior, certificate of fitness May, 1960, sound condition.
1949 CROSSLEY 33-seater certificate of fitness May, 1949 CROSSLEY 35-seater, Duple conchwork, certificate of the state of t

#### COMBERHILL GARAGES, LTD., INGS ROAD, WAKEFIELD.

INGS ROAD, WAKEFIELD.

IEW 1959 COMMER TS3 diesel 41-seater Plaxton Consort Mark IV. completed to own apecification. IEW 1959 model BEDFORD (petrol) 41-seater Plaxton Consort, heater, radio, contemporary moquette. IEW 1958 ATKINSON LS44 (Gardner 4LW) 37-seater Plaxton Highway omnibus, coach seats. In the consort Mark IV. finish to detail. IEW A.E.C. Reliance (7.75-litre) 41-seater Dupls BEDFORD SB (petrol) 41-seater Dupls Super Vega, 2,000 only, heater, radio. Vega, 2,000 only, heater, radio. Vega, 2,000 only, heater, radio. Vega, 2,000 only, heater and, ivory-black, beater fitted. Super Vega, 1007-black, heater fitted. Vega, 2,000 only, heater, radio, vega-plack, and vega-plack, which is the vega-plack vega-plack

HIRE-PURCHASE FACILITIES.

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KIRKBY AND SONS (SALES), LTD.,

CROSS ROAD GARAGE, ANSTON, NEAR SHEFFIELD, BEDFORD MAIN DEALERS, NEW BEDFORD.

## DUPLE, PLANTON, HARRINGTON.

COMPARE OUR USED VEHICLE PRICES. FOR EARLY DELIVERY.

1956 distance and interior, maroon and ivory exterior, fitted carrier tool lights, tubular racks, radio and heaters, 1956 distance and blue exterior, fitted radio and heaters, 1956 distance and blue exterior, fitted radio and heaters, 1955 distance and blue exterior, fitted radio and heaters, 1955 green exterior, fitted with every available extra, 25,550.

2.5.50. Secenter BEDFORD Burlingham, red interior, red int

ALL MACHINES ARE WORKS CHECKED AND AI IN FIRST-CLASS CONDITION THROUGHOUT. SPECIAL OFFERS OF HALF-CAB COACHES.

### TERMS AND EXCHANGES.

1949 GL

1947 LEY ling late, £450 each A.E.C. & Cates of fitness BRISTOL, L. B. deck from eschange. Ter

1955 BEI 1952 DES 1950 con 1950 con 1949 cot 1949 FOR GARNER C MAUDSLAY
ficate of
AUSTIN, 19
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gine) 41-seater etail. eater Plaxton

Duple Super

l-seater Duple fitted. laxton, amber y-black. Yeates, heater,

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TD.,

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NGTON.

red pattern exterior, fitted and heaters,

n, red interior,

green interior, available extra.

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blue exterior, ir racks, £2,000.
RD Duple, red taters, £1,650.
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1949 GUY Arab, 33-seater Burlingham body,

ORMSKIRK MOTORS, LTD.,
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A.E.C. Mk. III 1950 36-seaters, all-metal Rocates of fitness, exertice buses, 9.6 engines, certificates of fitness, exceptional value at £325 cach.

Bristol. Leyland, Dennis, A.E.C., single and double-cachante. Terms, etc.

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1952 DENNIS full-front Duple. 35 seats, courier with Bedford SB engine and speed asis, radio and heater, £1,250.
1950 radio and heater, £1,250.
1950 CROSSLEYS, 33 seats heaters, with certificates of finess from £295 to £850.
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BROMSGROVE, Phone 3244 1958 BEDFORD Aristocrat, Kenex body, 12-seater, 1958 6525, MAUDSLAY Duple, A.E.C. 7.7 engine, finess, 33-seater, full fronted, certificate of finess, 798-131

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1957 BEDFORD 41 Duple, £2,700.
1955 BEDFORD 38 Duple, £2,125.

1956 A.E.C. Reliance 41 Burlingham, £3,250.
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ALL immaculate condition with heater and to part exchange.

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A.E.C. Resent Mark III double-decker buses, year of registration 1948-49, fitted with A.E.C. 96-litre diesel engines, full air brakes, fuld transmission, automatic chassis lubrication, 56-seater with Dunlopillo seating, metal bodies, 9,00 by 20 tyre equipment, current certificate of fitness, but the control of the contr

HIRE-PURCHASE willingly arranged at low deposit TWO LEYLAND PDI double-decker buses, 56-sealers, all-metal bodies by Leyland, excellent condition. FURTHER

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1951 Action of five from £5,000.
1951 Heater, top stiding windows place friend radio, and blue exterior, very good tyres, £1,350.
1951 COMMER Avenger, Plaxton 33-seater, fitted radio, heater, top stiding windows place from £2,750.
1951 COMMER Avenger, Plaxton 33-seater, fitted radio, beater, blue interior, cream and blue exterior, very good tyres, £1,000.
1948 LEYLAND FS1, 33 seats, autumn tint interior, of fitness late 1960.
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1954 BEFFORD Duple Surer, price £1,450.
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1954 BEFFORD Plaxton, 38 seats, fitted lift-up roof vents, red interior, blue-cream exterior, price £1,450.

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OFFER THE FOLLOWING

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NEW BEDFORD petrol 41-seater Plaxion; delivery

Pebruary 1957 - Pebruary 1957 - Pebruary 1957 - Pebruary 1957 - Pebruary 1958 - Pebruary 1958 - Petrol 41-scatter Plaxton, many 1958 - Petrol 41-scatter Plaxton, many extras, finished in maroon and cream, low Micage.
NEW KARRIER 14-scater Plaxton full-luxury, fitted heater and radio; delivery April.

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TERMS and exchanges, full list sent on request. Phone for appointment to view.

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NEW HEDFORD Duple Super Vega 41-scaters, early 1954 BEDFORD Duple Super Vega 41-seaters, early 1954 BEDFORD Yeates Riviera 36-seater coach, and heaters, ecertific Button and tubular racks, radiomobile and heaters, ecertific Button and heaters, early 1950 A.E.C. 9.6. Burlingham full-fronted body, 34-seater, radio and heaters, £1,000.

1950 LEYLAND PSI Burlingham 33-seater body. 1950 BEDFORD Duple 29-seater, £38-seater body. 1950 BEDFORD Duple 29-seater, £38-seater body.

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1950 ALBION Victor, diesel, 31 seats, Reading body, certificate of fitness to December, 1959.
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above are in excellent condition. For further lars apply Jack Wingrove, Ltd., 23 Penn Rd., High Wycombe, Bucks. Phone, Penn 2320.
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February 13, 1959—THE COMMERCIAL MOTOR 63
(Supplement)

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WANTED, one 41-seater coach, must be first class, 1956-1957 model A.E.C. Reliance or Leyland preferable. Box CM9710, care of "The Commercial Motor."

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PART-EXCHANGES and H.P. terms arranged to your satisfaction.

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SUPER VEGA COACHES. DEMONSTRATIONS AVAILABLE.
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WE ARE NOW ACCEPTING ORDERS FOR THE

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ARRIMORE close-compled articulated 6-wheelers, hand CARRIMORE close-cohpied articulated developments, under some appearance and ideal weight distribution. CARRIMORE SIX-WHEELERS, LTD., Carrimore Wrks, North Finchey, N.12. Hillside 3631-22-708.

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1955 Thames 4D tractor unit with 24-ft. and 20-ft. Tasker platform trailers, sale or exchange long-wheelbase platform diesel lorry, comparable value. Phone, Great Missenden 2697.

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USED SCAMMELL trailers from 6 tons to 8 tons always available.

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23-FT. Scammell Dyson refrigerated trailer, complete with motor, etc., one owner, perfect condition. Pirbright Garage, Pirbright Rd., Southfields, 5.W.18. Vandyke 6188.

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1953 tailboard, body and condition outstanding, one C owner from new, £295. W.E.M. Motors (Whibledon), 506-508 Kingston Rd., London, S.W.20. Phones, Cherrywood 4322, 4568.

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1954 AUSTIN 2-ton Luton, 775 c.c., petrol.
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TWO York semi-trailers, fitted alloy construction
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WE carry a good stock of coaches suitable for converting to travelling shops. Inquiries welcomed.

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UNREGISTERED ex-W.D. A.F.C. 6 x 6 2,500-gal. and
Bedford QL 4 x 4 900-gal. refuellers; also 900-gal.
Bowser trailer. Cundey and Stewart, Ltd., Alfreton.
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1954 THORNYCROFT 8-wheeler tanker, 3,600 gal., double-drief six compartments, in very good running order, and couble-drief six compartments, in very good running order, and couble-drief six compartments, in very good running order, and couble-drief six compartments, and couble-drief six compared to the couple of the coupl

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1951 BEDFORD 1,000-gal., two compartments. with 1948 BEDFORD 800-gal., four compartments.

BEDFORD QL 4 by 4 900-gal, refueller, complete with pumping equipment, unregistered, very clean,

Chemporary Solvan Lankers, with pump, unregistered, trom £165 each, very clean. The pump, unregistered, trom £165 each, very clean excellent condition, complete we work trailers, excellent condition, complete with the compartment oval vehicle tanks, suitable for spirit. F. A. DOLMAN, LTD., 186 Carlton Avenue, H. Southend-on-Sea. Phone 43262.

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FORD 1953 4D diesel 5-ton high-sided tipper, excellent condition, very economical, £325.

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Wan 6633.

1953 Long-wheelbase 6-wheeled tipper, fitted with and 12-cu.-yd. alloy body, £275.

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1956 DODGE 7-ton tipper, good condition, guaranteed, £1,150.
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350 Model BEDFORD 5-ton abort-wheelbase petrol tyred, good engine, very good general condition, finished plain green, £550; ready for work.

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A.E.C. Matador, 4-wheel drive, air brakes, heavy-anchor, 5-ton lib, ground anchor, unsegistesed, immediate delivery. Specification and photo-PRAILLS (HEREFORD), LTD., Holmer Rd., Hereford. Phone 4221 1 Phone 4221 1952 BEDFORD-SCAMMELL unit, new engine, 1951 BEDFORD-SCAMMELL unit, £100. Pirbright Vandyke 6188. Pirbright Rot. Southfields, S.W.18.

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February 13, 1959—THE COMMERCIAL MOTOR 71
(Supplement)

Miscellaneous Advertisements (contd.)

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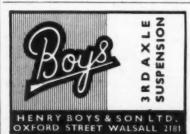
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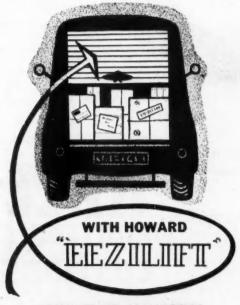
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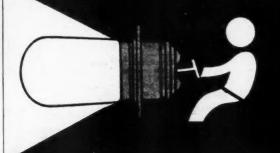


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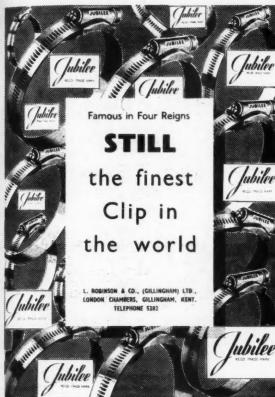
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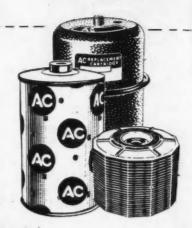
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